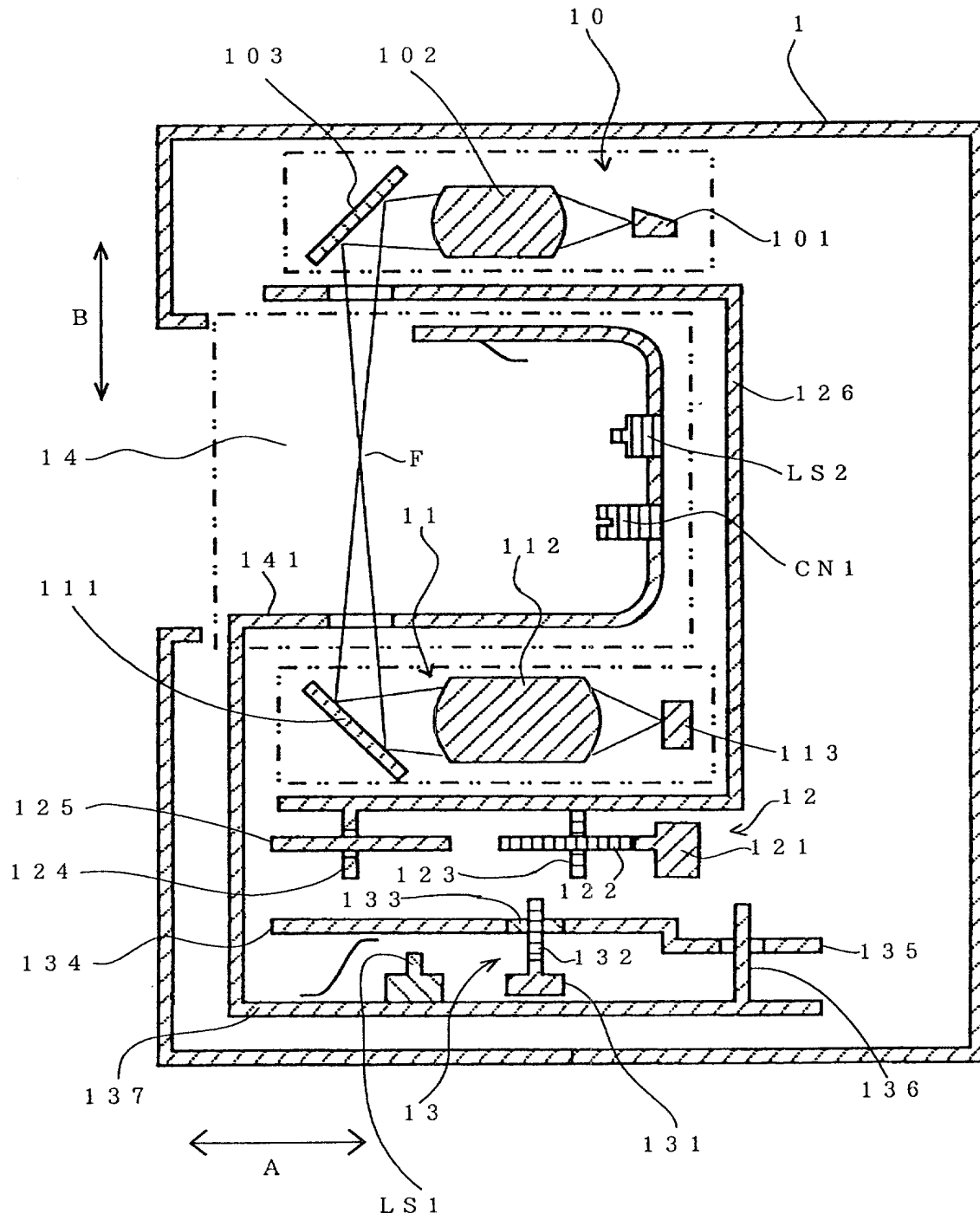


FIG. 1



Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

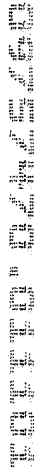


FIG. 4

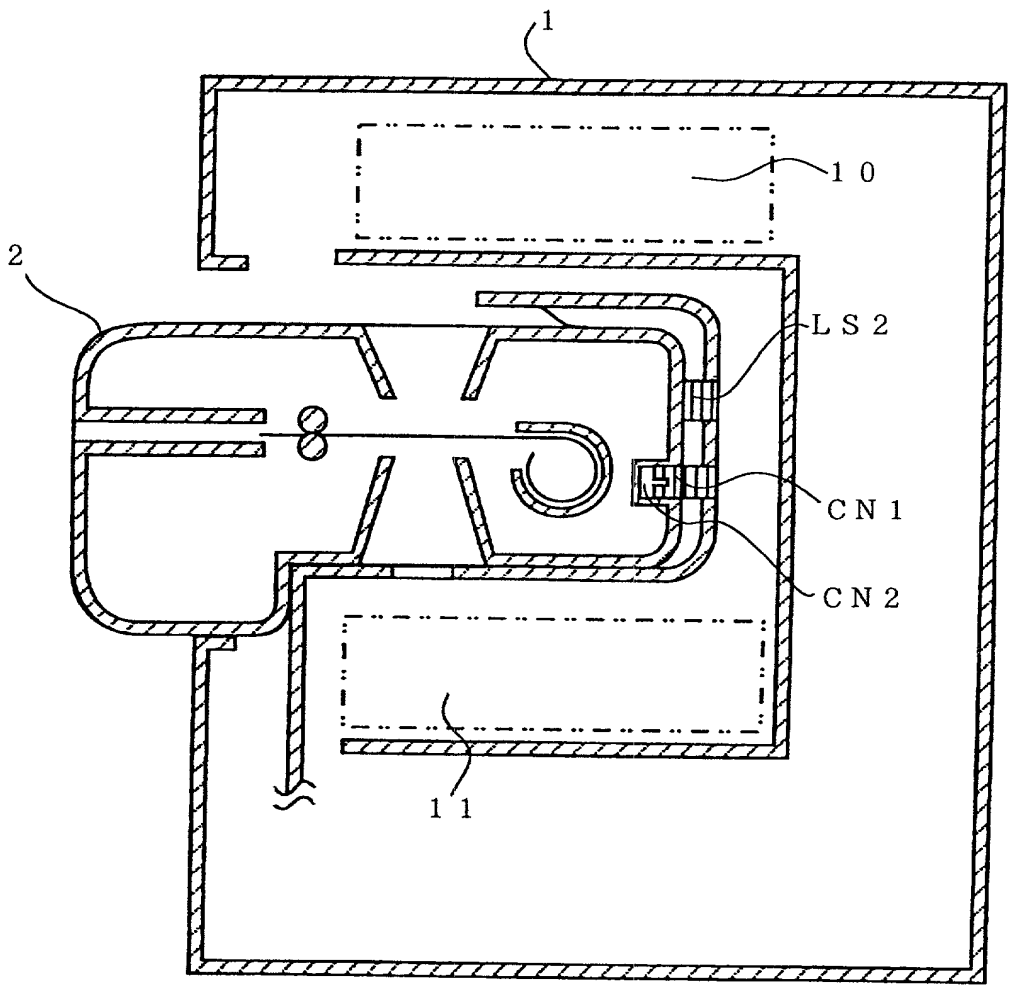


FIG. 5

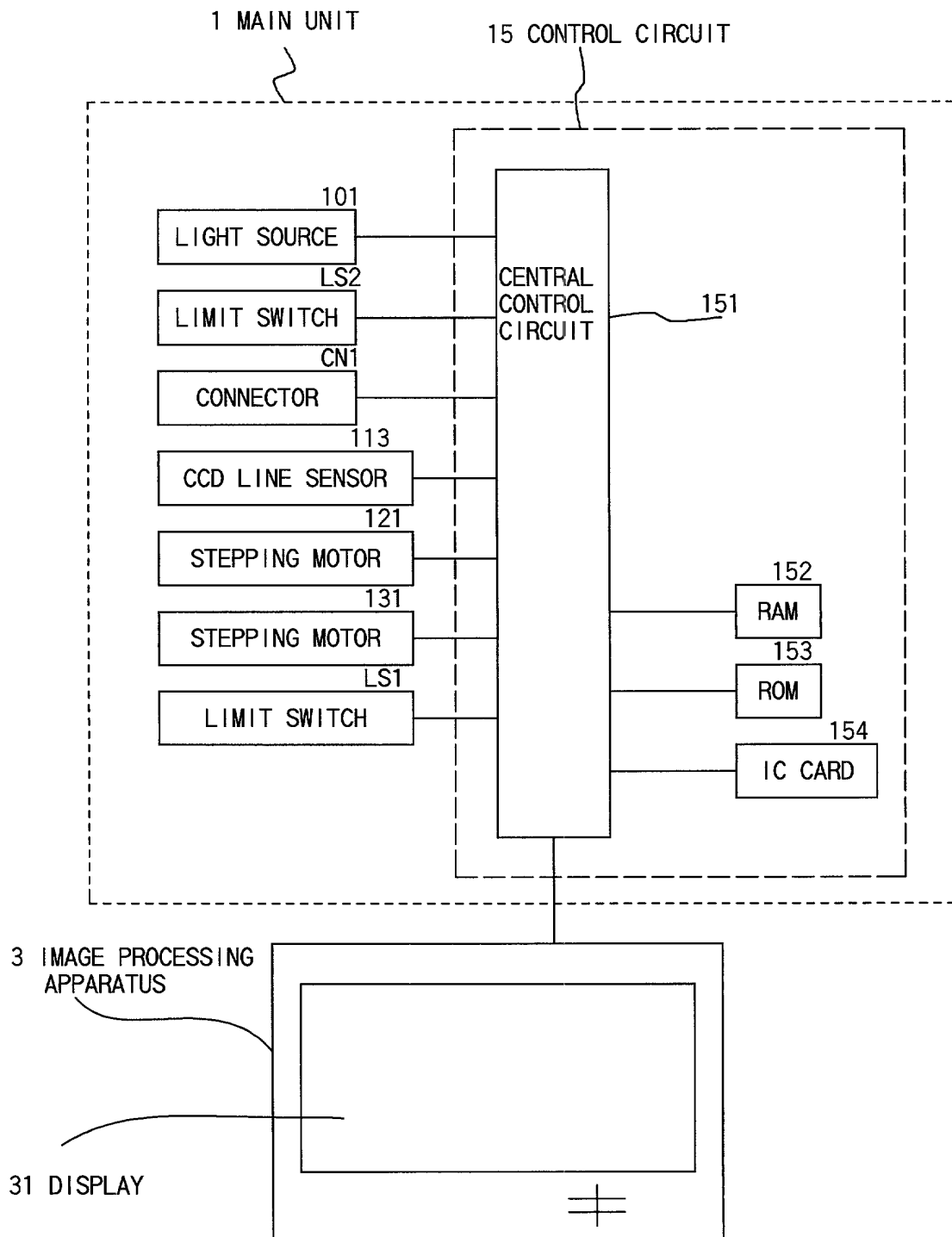


FIG. 6A

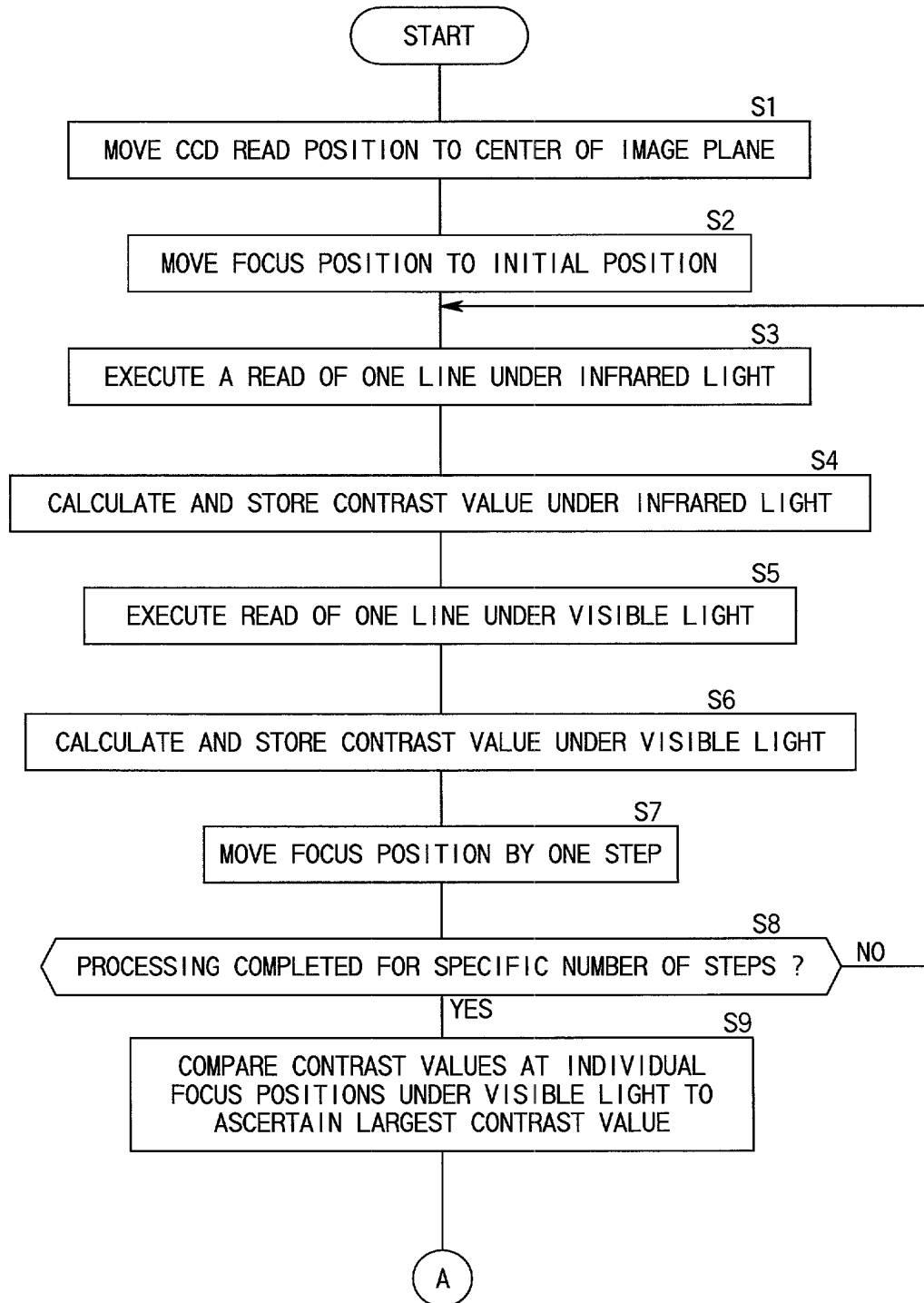


FIG. 6B

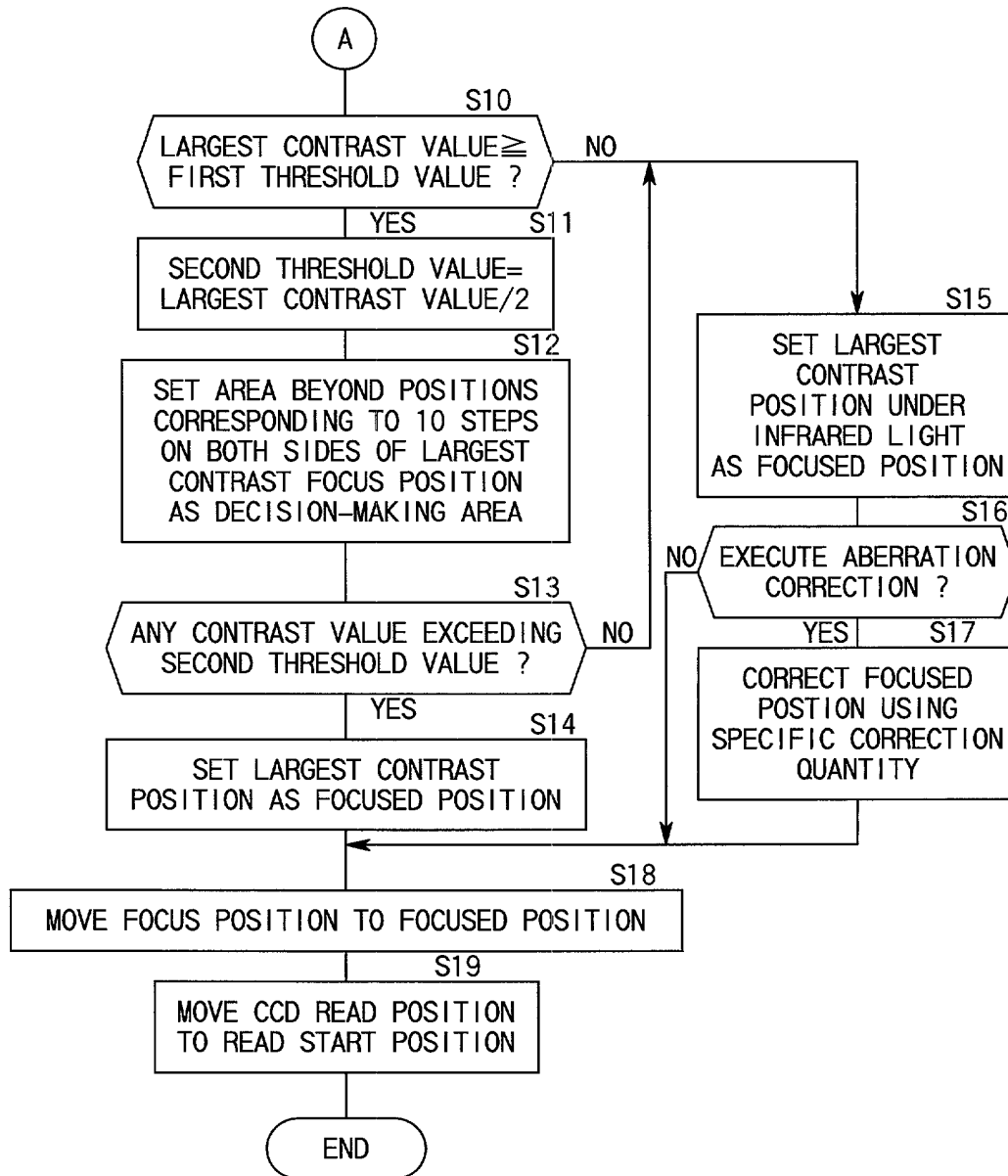


FIG. 7

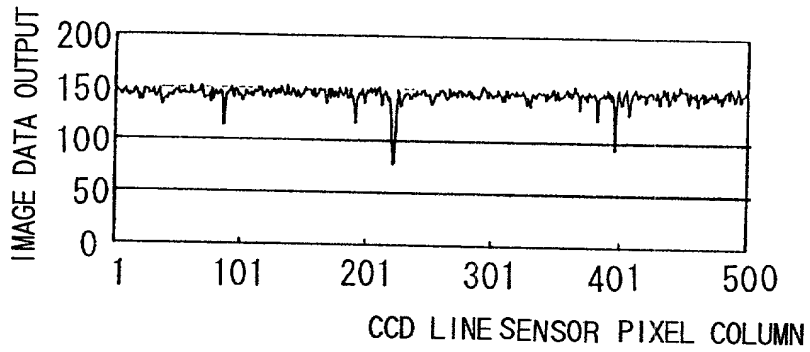


FIG. 8

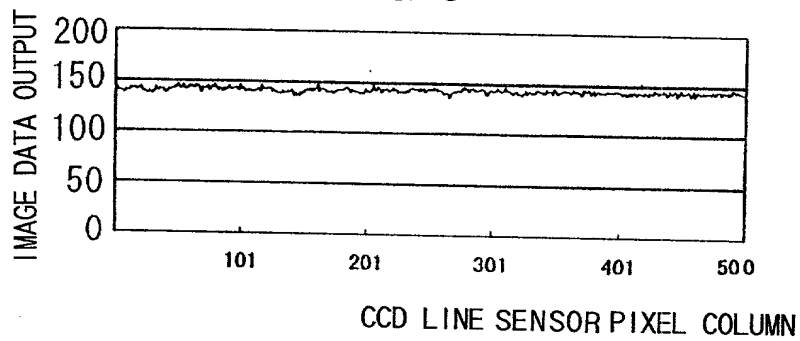


FIG. 9

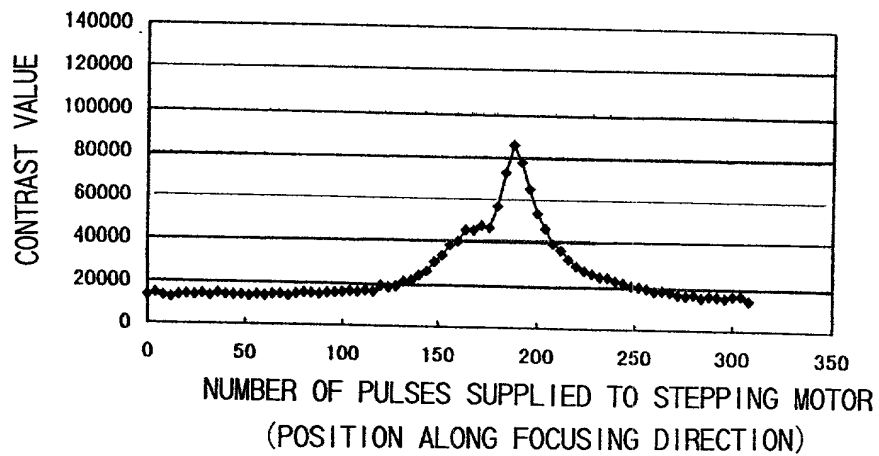


FIG. 10

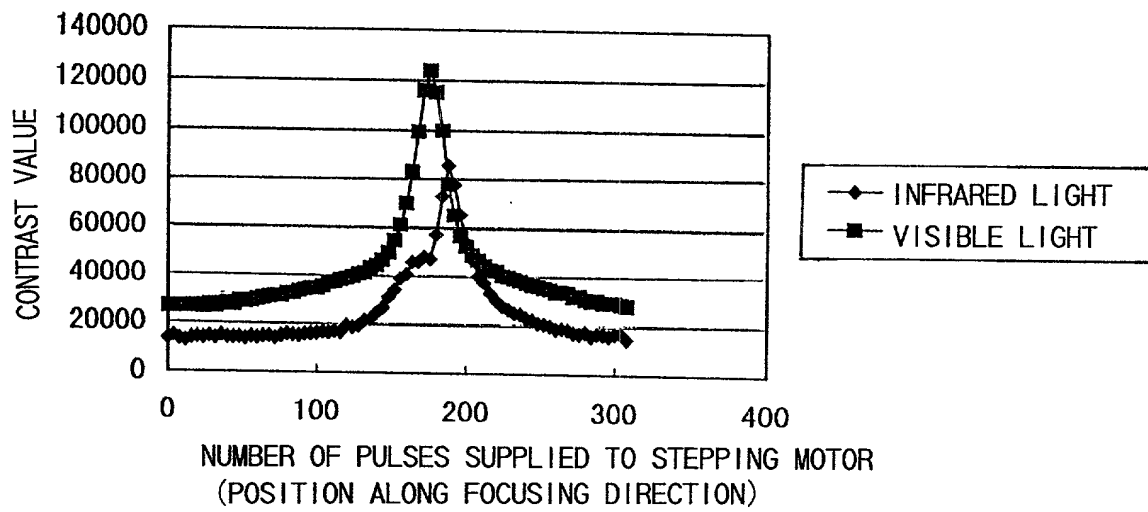


FIG. 11

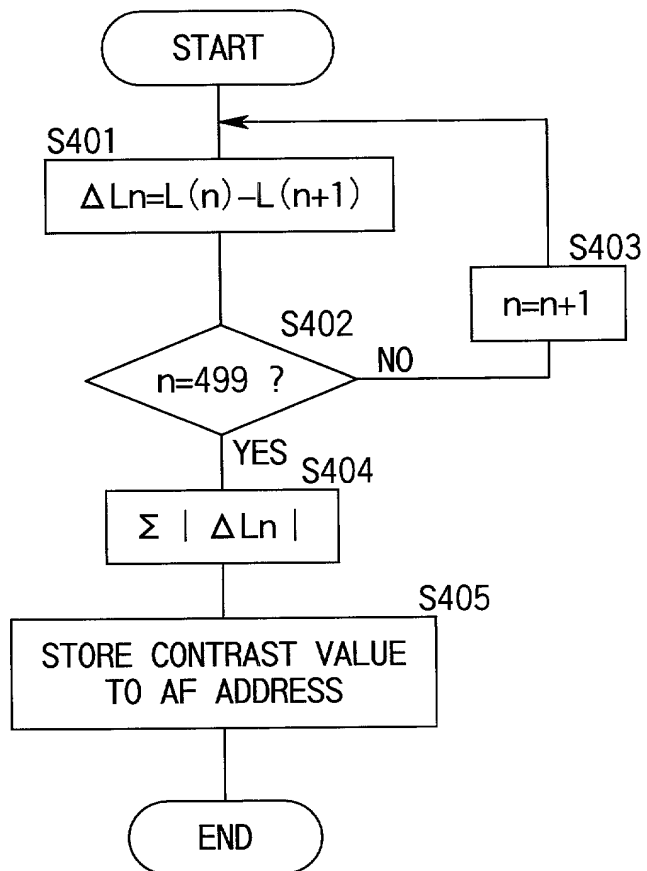


FIG. 12A

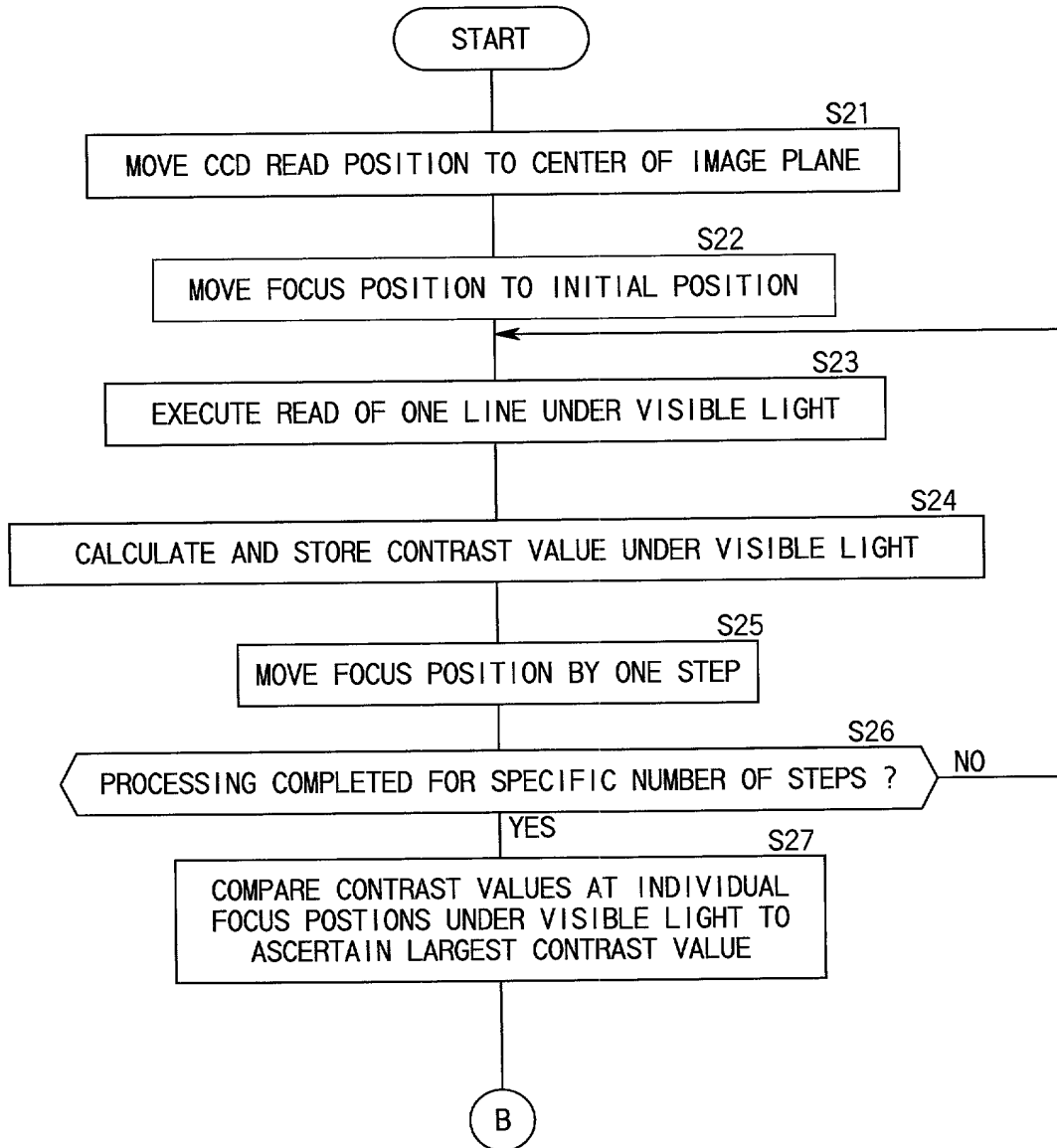


FIG. 12B

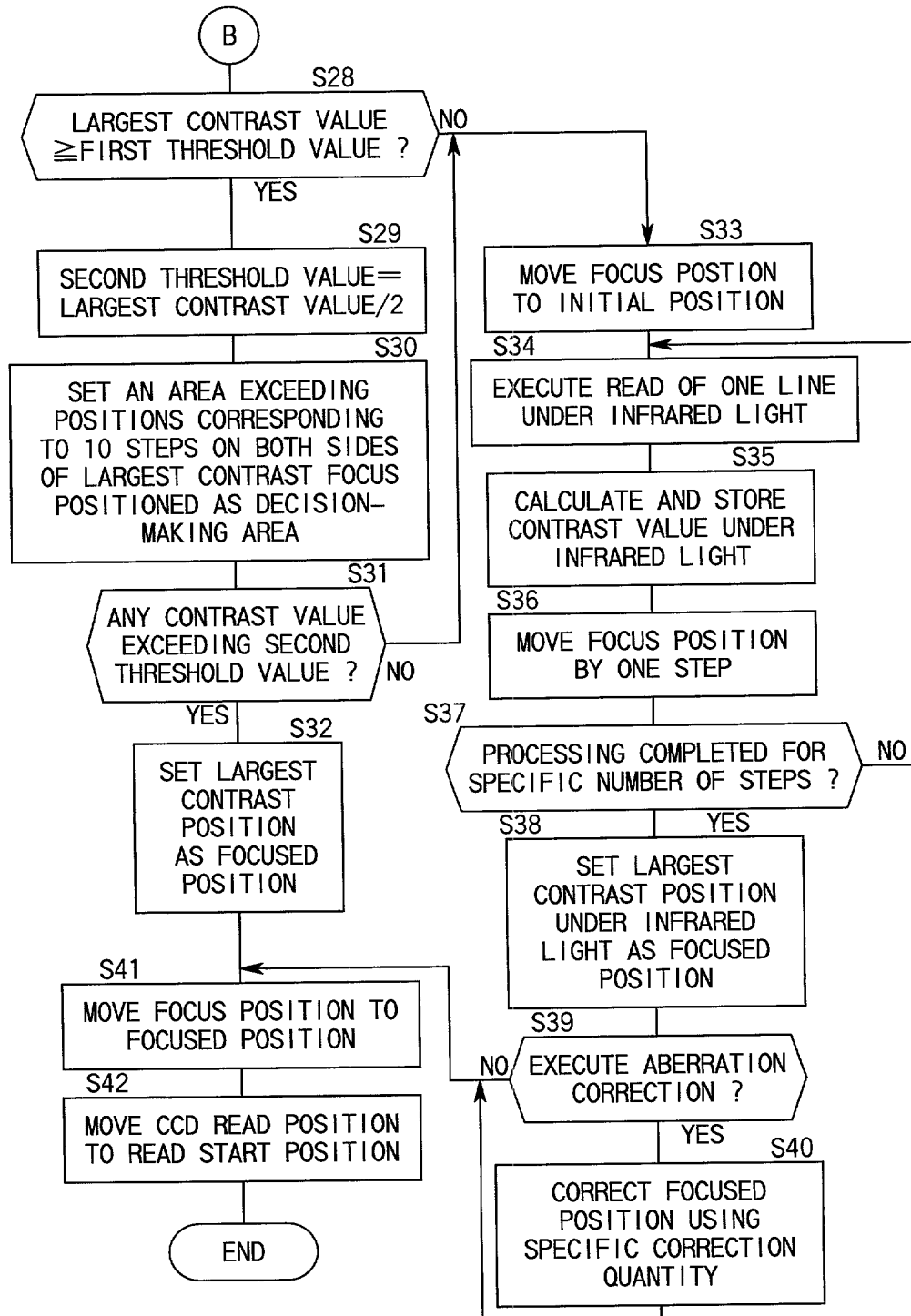


FIG. 13

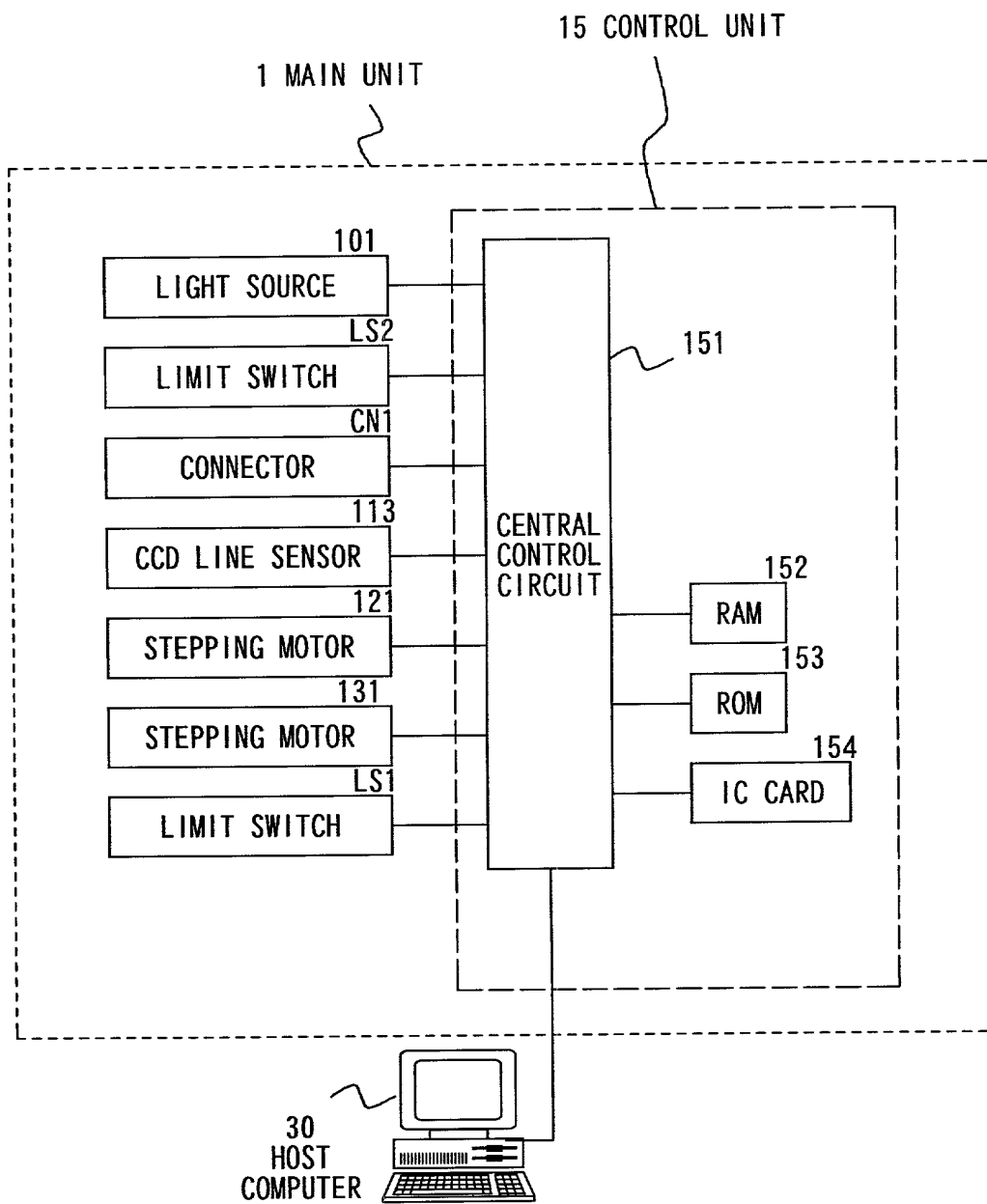


FIG. 14

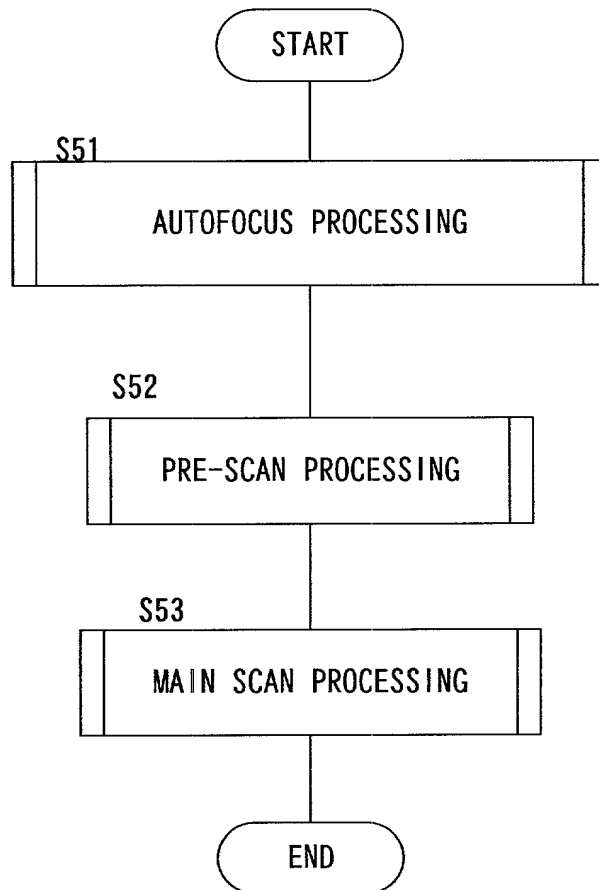
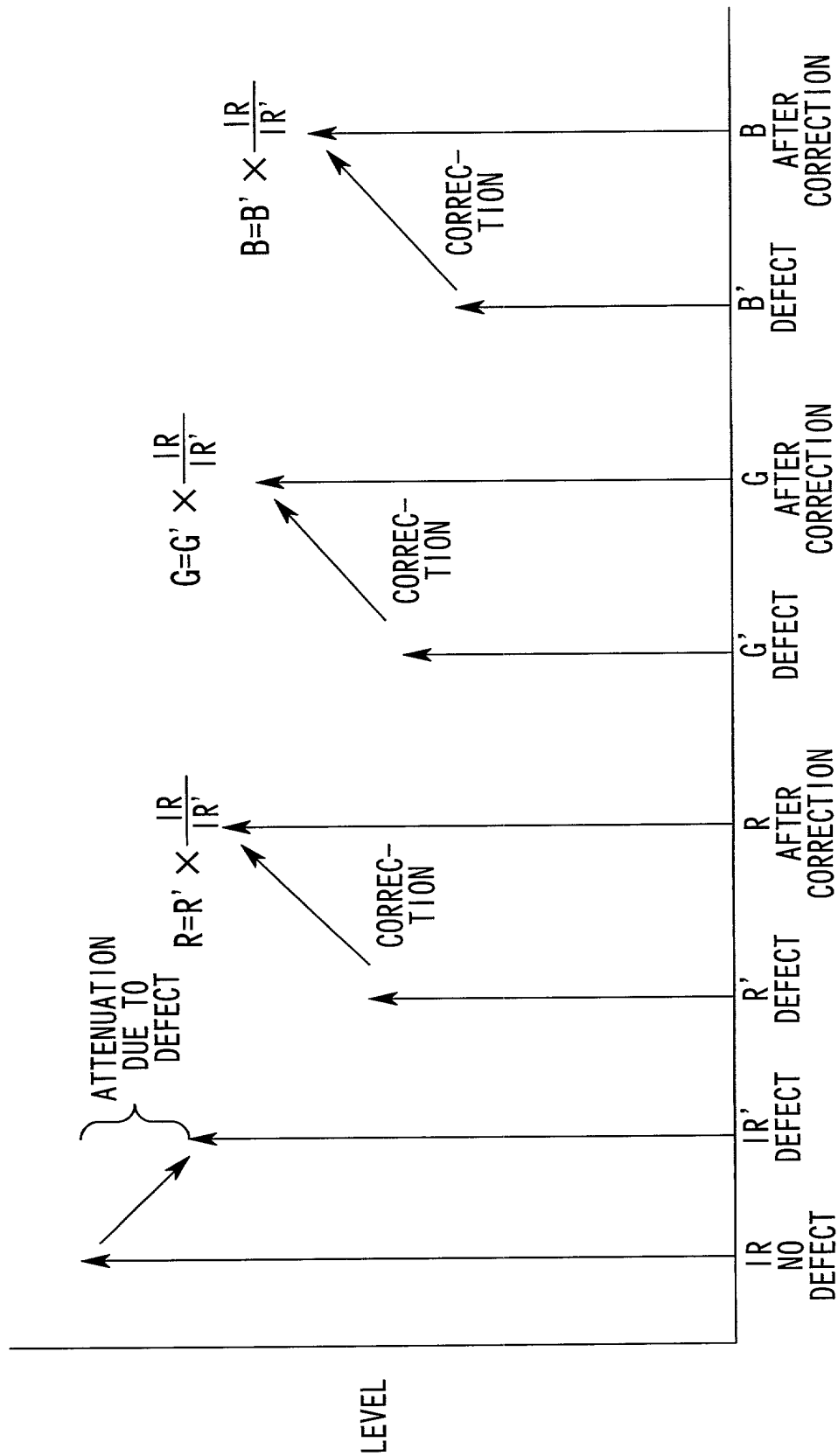


FIG. 15



IR--INFRARED LIGHT, R--RED COLOR LIGHT, G--GREEN COLOR LIGHT, B--BLUE COLOR LIGHT

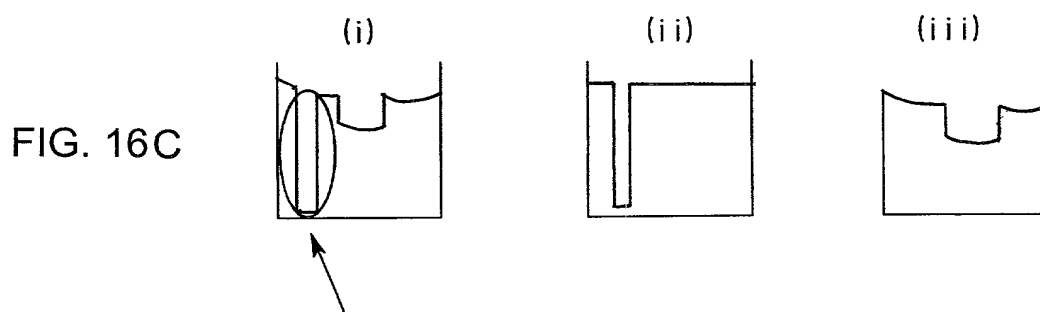
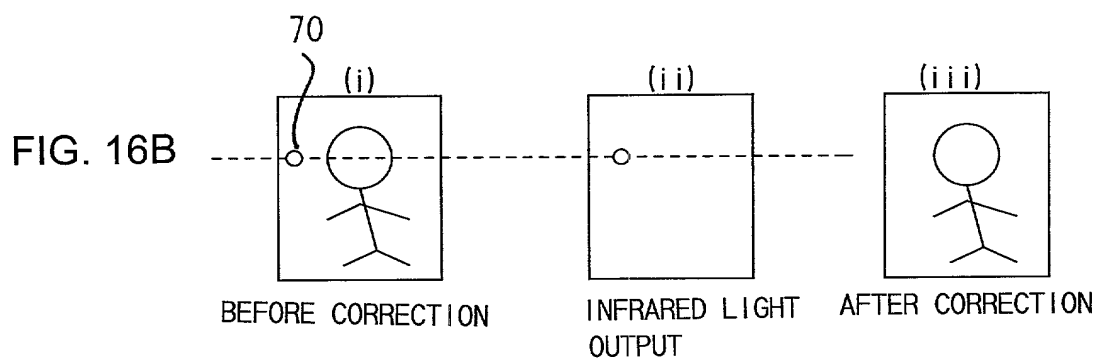
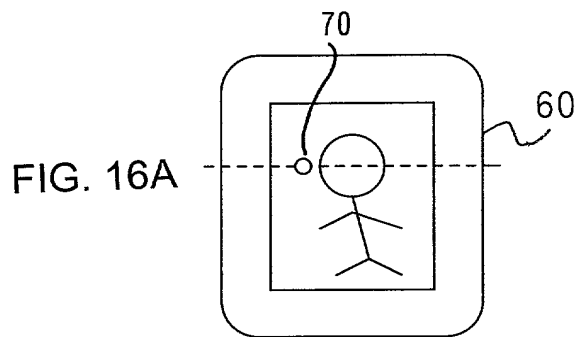


FIG. 17

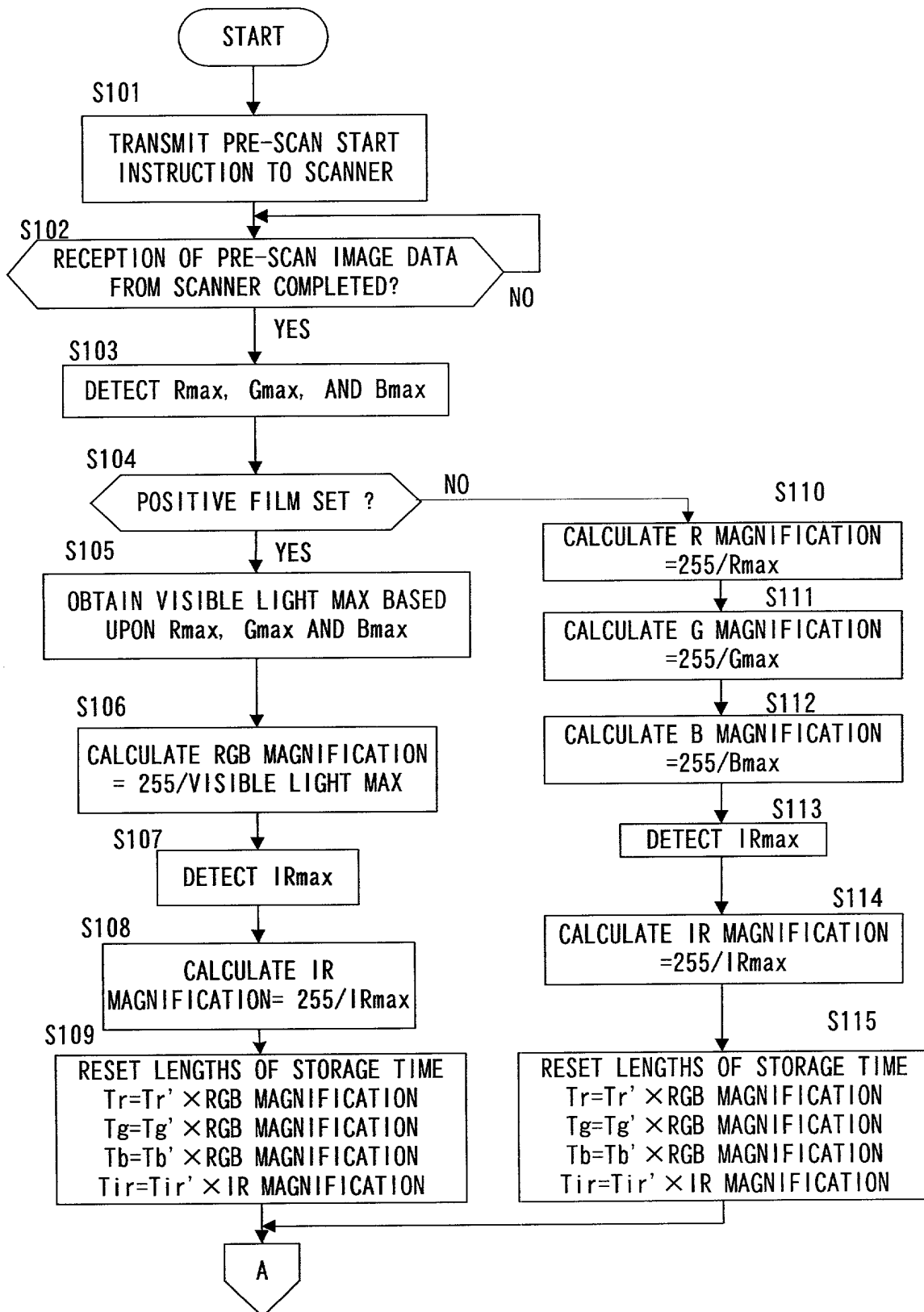


FIG.18

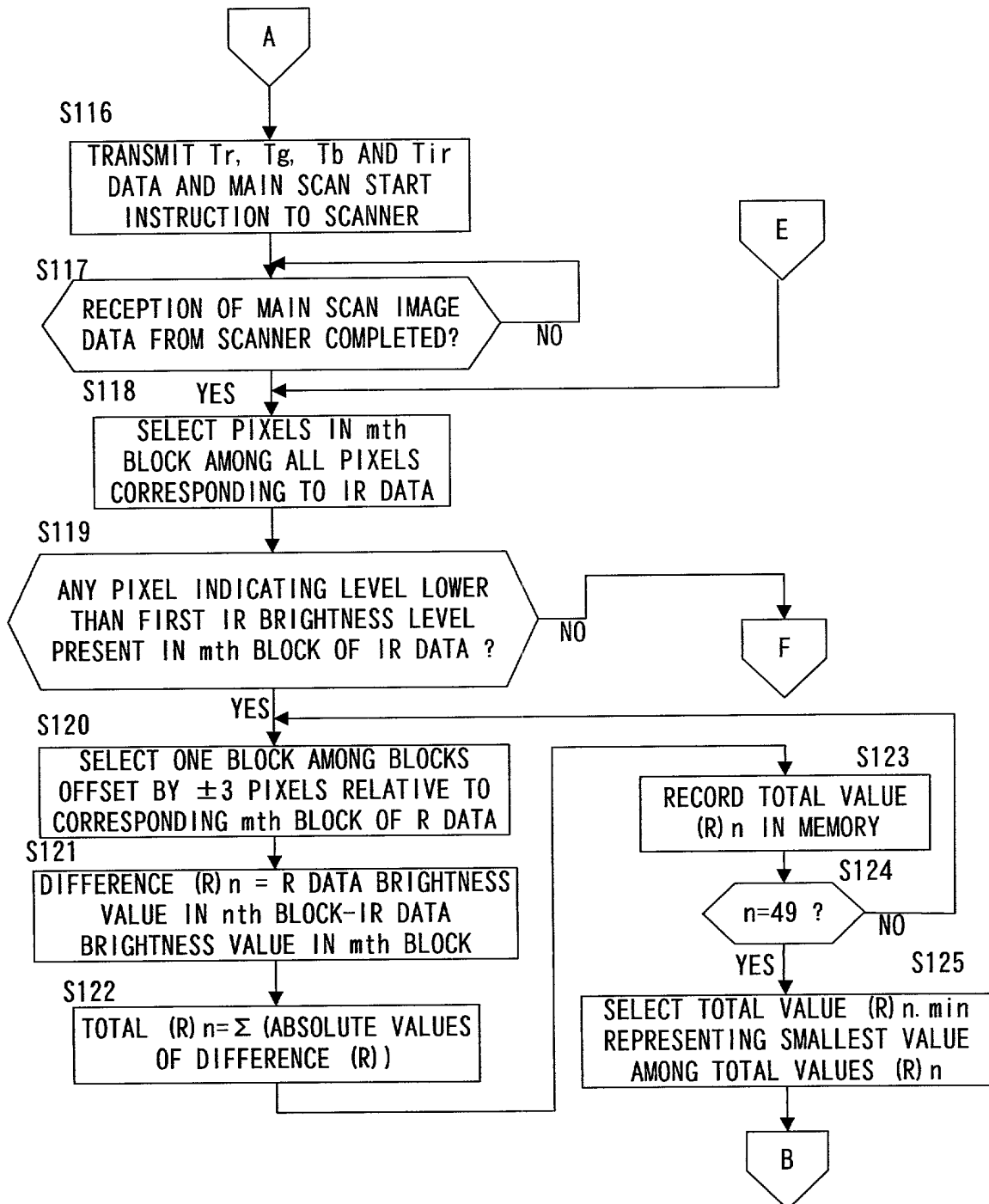


FIG. 19

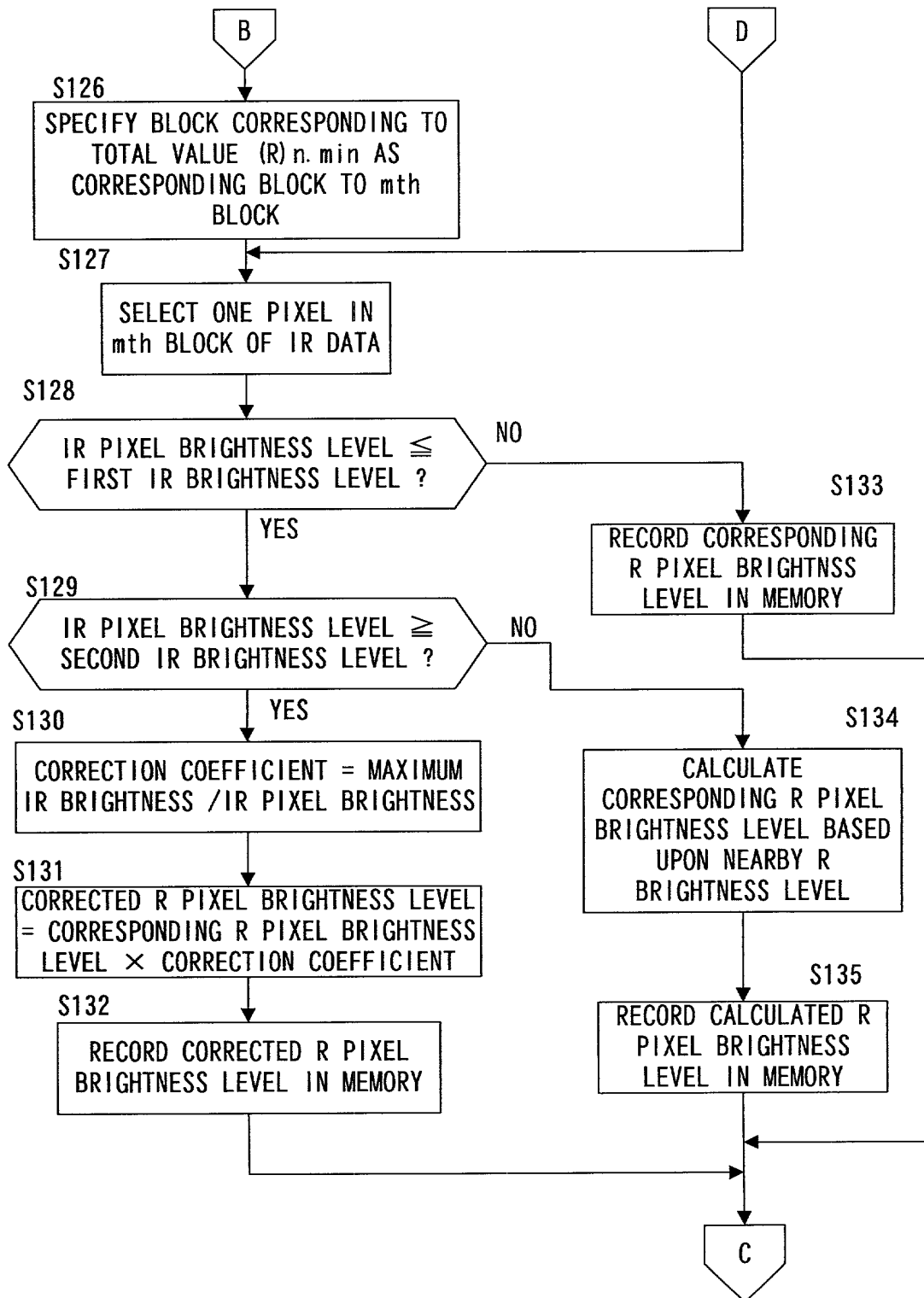


FIG.20

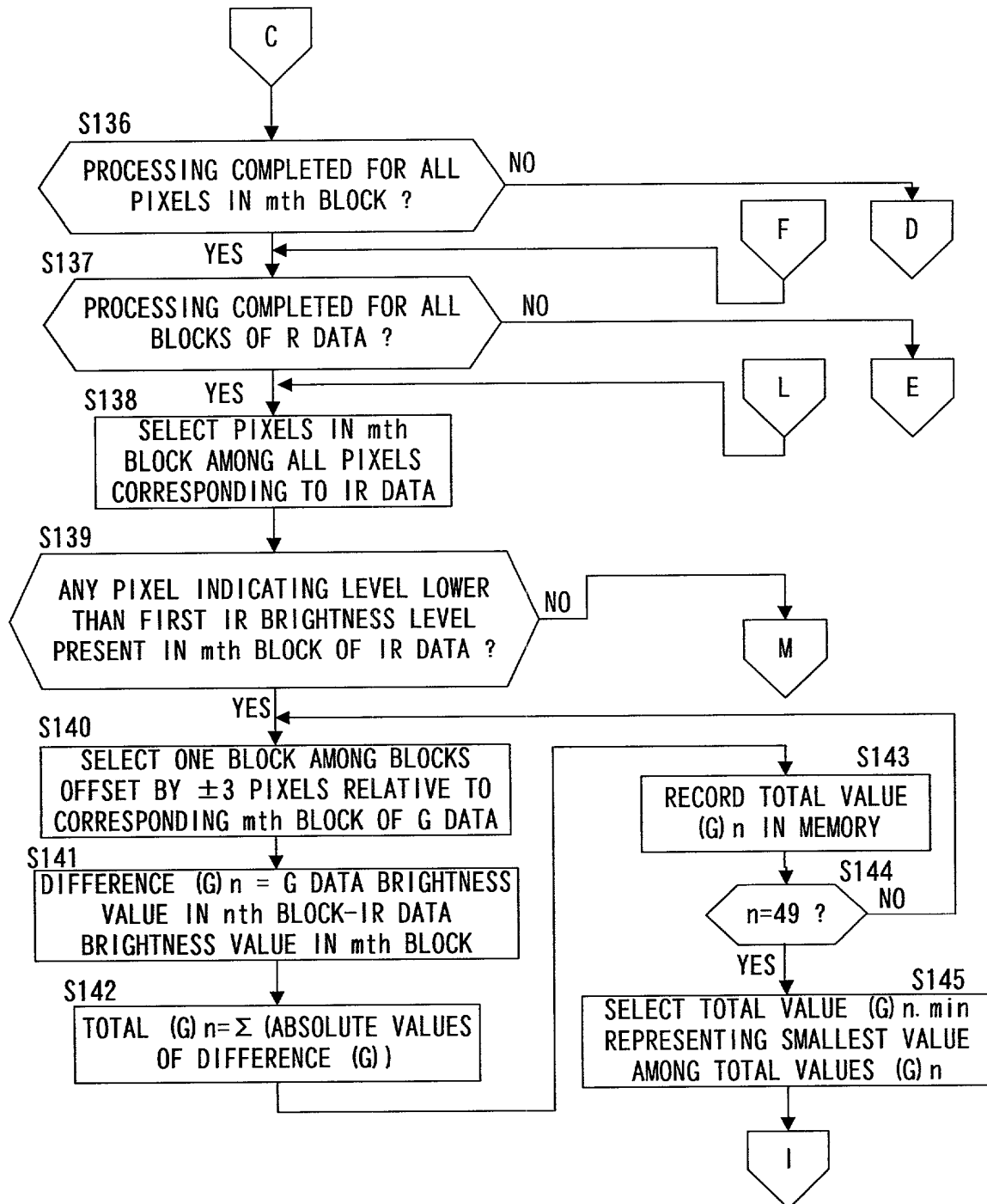


FIG. 21

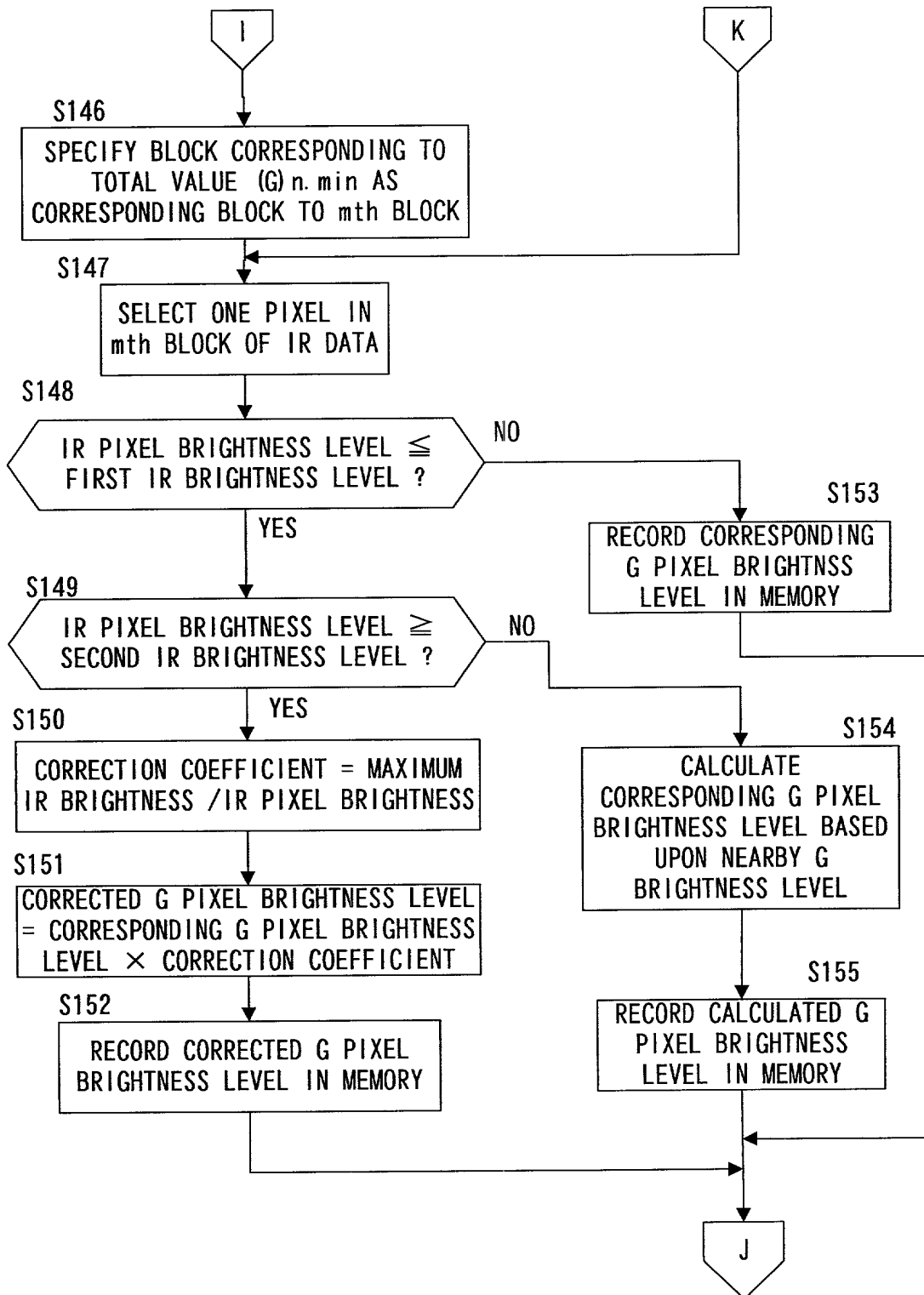


FIG.22

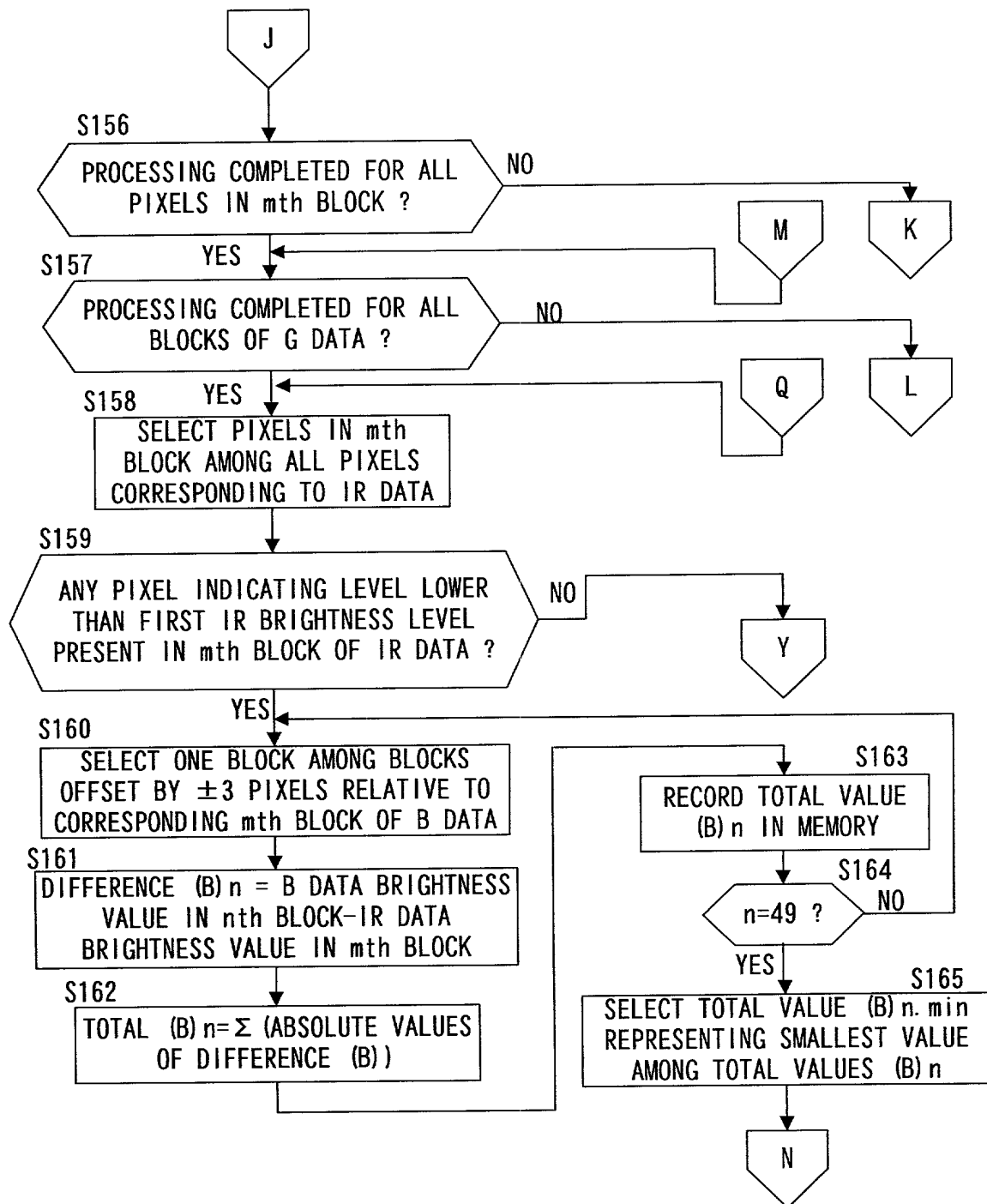


FIG. 23

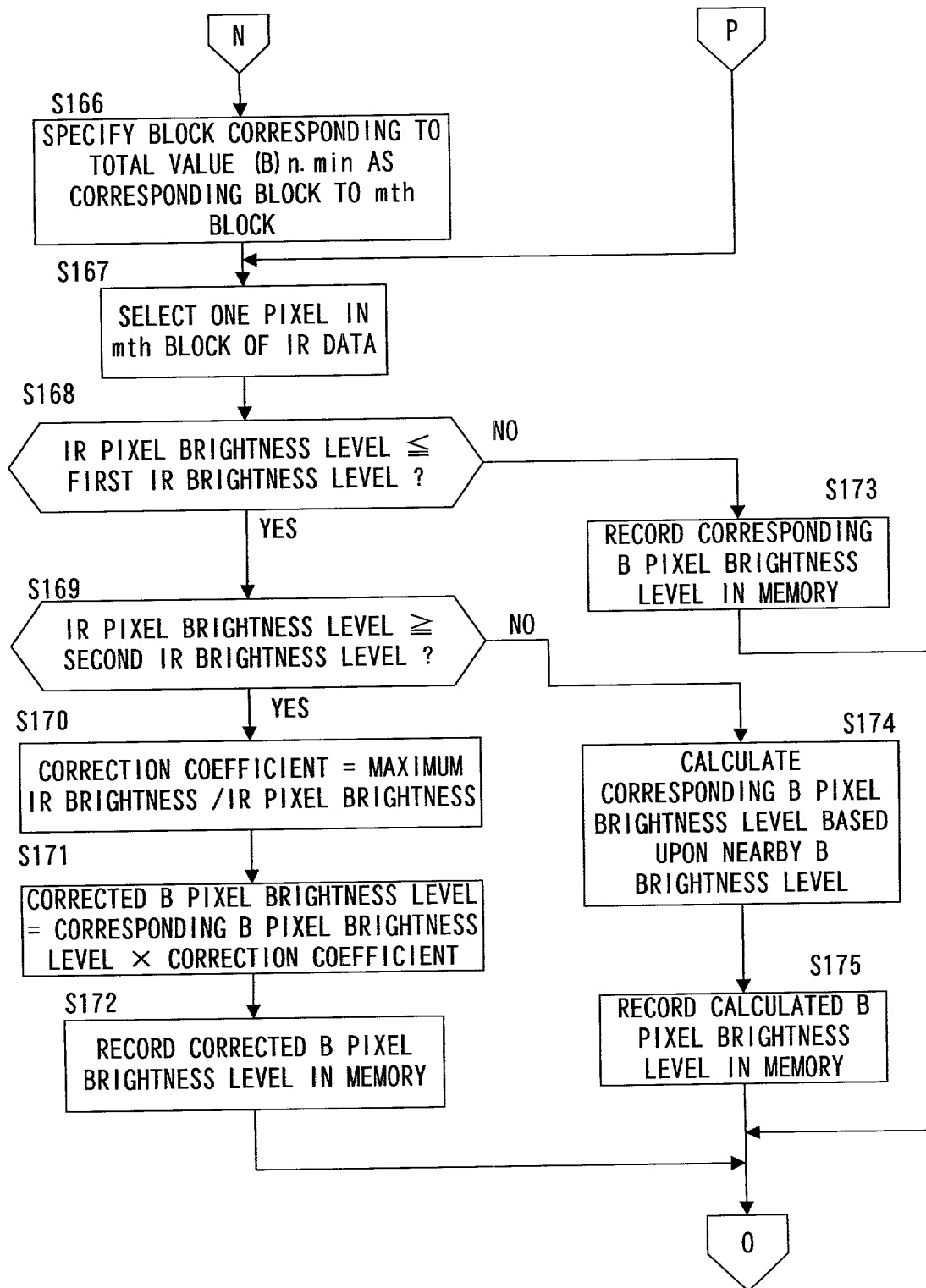


FIG.24

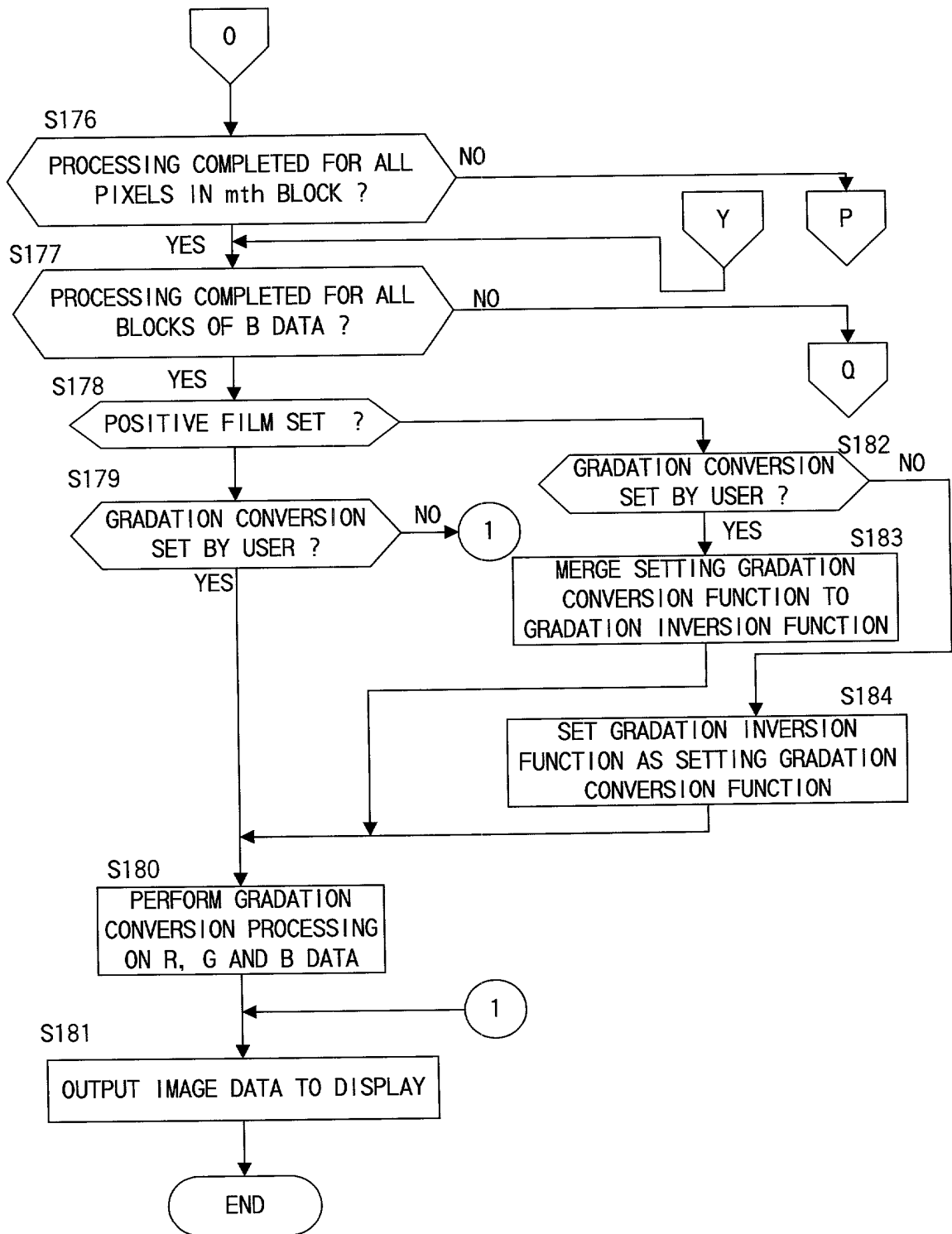


FIG. 25A

IR LEVEL (DEFECT PRESENT)

255	255	120
120	50	120
255	255	255

FIG. 25B

VISIBLE LEVEL (DEFECT PRESENT)

200	200	200	200	200	200
200	200	200	200	200	200
200	200	200	94	200	200
200	94	20	47	100	100
200	200	100	100	100	100
200	200	100	100	200	200

FIG. 25C

VISIBLE LEVEL (NO DEFECT)

200	200	200	200	200	200
200	200	200	200	200	200
200	200	200	200	200	200
200	200	100	100	100	100
200	200	100	100	100	100
200	200	100	100	200	200

FIG. 26A1

200	200	200	200	200	200	ABSOLUTE VALUE TOTAL
-55	-55	80	200	200	200	190
80	150	80	94	200	200	310
-55	-161	-235	47	100	100	451
200	200	100	100	100	100	TOTAL 951
200	200	100	100	200	200	

FIG. 26A2

200	200	200	200	200	200	ABSOLUTE VALUE TOTAL
200	-55	-55	80	200	200	190
200	80	150	-26	200	200	256
200	-161	-235	-208	100	100	604
200	200	100	100	100	100	TOTAL 1050
200	200	100	100	200	200	

FIG. 26A3

200	200	200	200	200	200	ABSOLUTE VALUE TOTAL
200	200	-55	-55	80	200	190
200	200	80	44	80	200	204
200	94	-235	-208	-55	100	598
200	200	100	100	100	100	TOTAL 992
200	200	100	100	200	200	

FIG. 27B1

200	200	200	200	200	200
200	200	200	200	200	200
-55	-55	80	200	200	200
80	44	-100	47	100	100
-55	-55	-155	100	100	100
200	200	100	100	200	200
ABSOLUTE VALUE TOTAL					
190					
224					
265					
TOTAL 679					

FIG. 27B2

200	200	200	200	200	200
200	200	200	200	200	200
200	-55	-55	-26	200	200
200	-26	-30	-73	100	100
200	-55	-155	-155	100	100
200	200	100	100	200	200
ABSOLUTE VALUE TOTAL					
136					
129					
365					
TOTAL 630					

FIG. 27B3

200	200	200	200	200	200
200	200	200	200	200	200
200	200	-55	-161	80	200
200	94	-100	3	-20	100
200	200	-155	-155	-155	100
200	200	100	100	200	200
ABSOLUTE VALUE TOTAL					
296					
123					
465					
TOTAL 884					

FIG. 28C1

200	200	200	200	200	200
200	200	200	200	200	200
200	200	200	94	200	200
-55	-161	-100	47	100	100
80	150	-20	100	100	100
-55	-55	-155	100	200	200
ABSOLUTE VALUE TOTAL					
316					
250					
265					
TOTAL 831					

FIG. 28C2

200	200	200	200	200	200
200	200	200	200	200	200
200	200	200	94	200	200
200	-161	-235	73	100	100
200	80	50	-20	100	100
200	-55	-155	-155	200	200
ABSOLUTE VALUE TOTAL					
469					
150					
365					
TOTAL 984					

FIG. 28C3

200	200	200	200	200	200
200	200	200	200	200	200
200	200	200	94	200	200
200	94	-235	-208	-20	100
200	200	-20	50	-20	100
200	200	-155	-155	-55	200
ABSOLUTE VALUE TOTAL					
463					
90					
365					
TOTAL 918					

FIG. 29

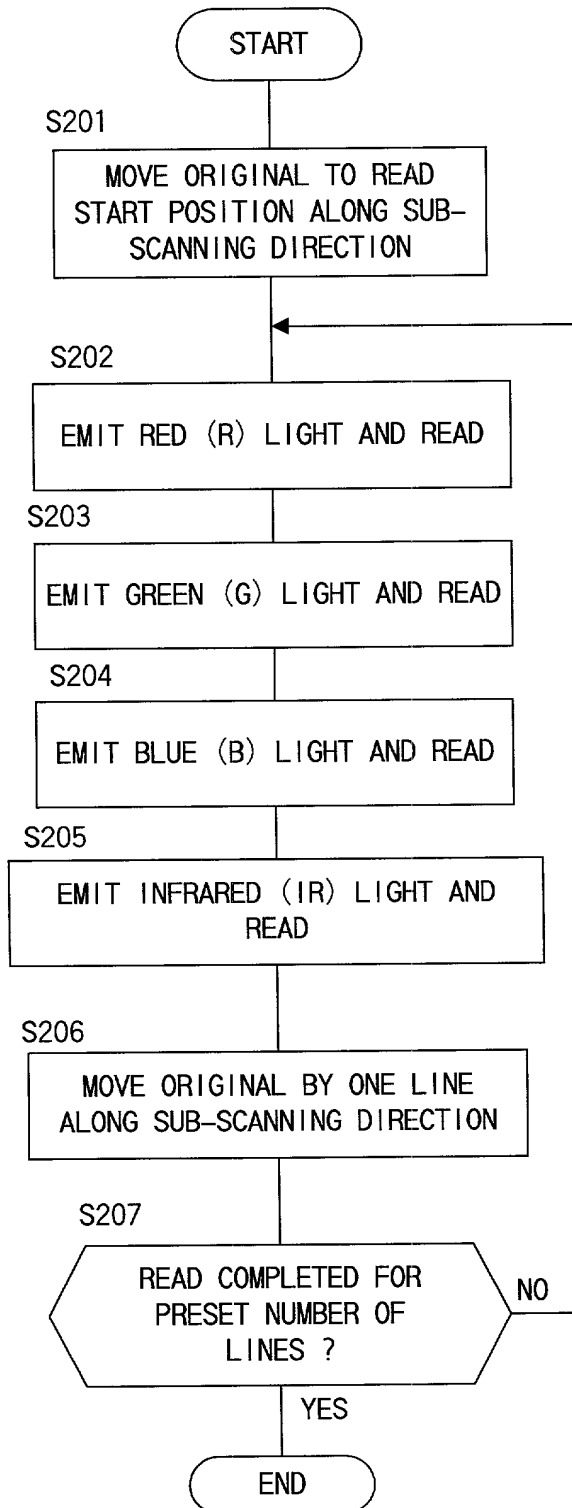


FIG. 30

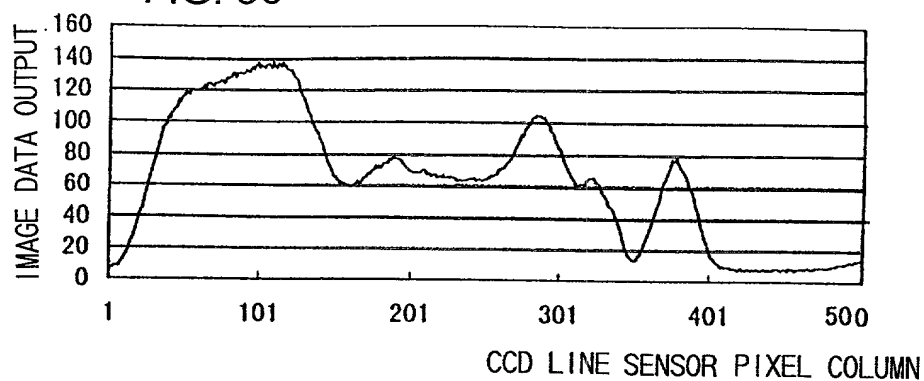


FIG. 31

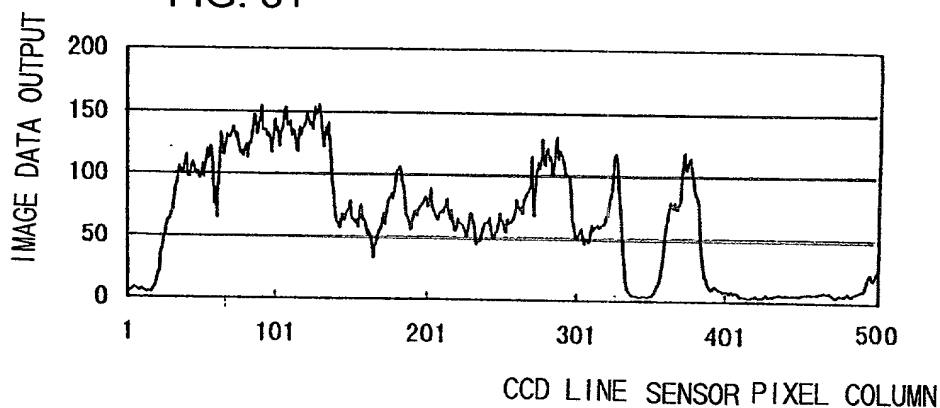


FIG. 32

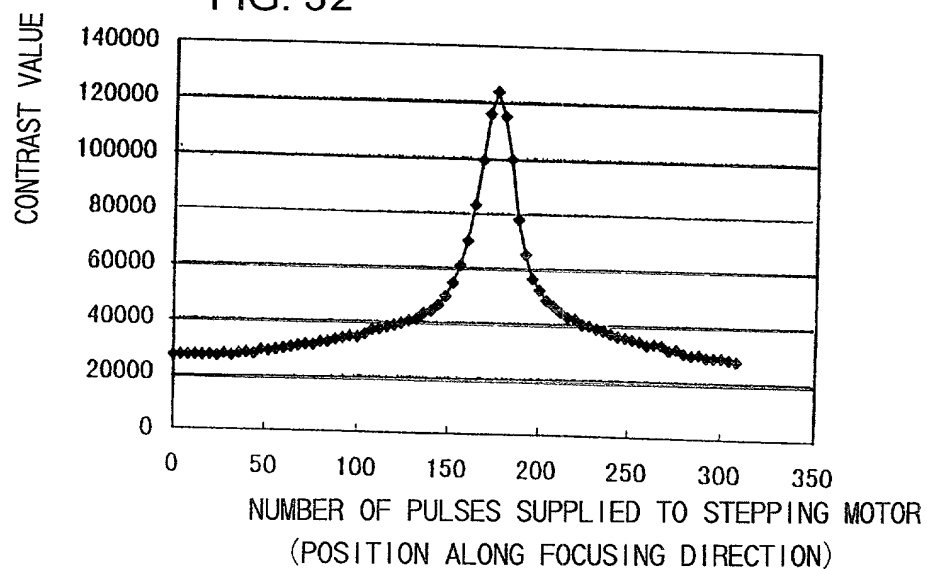


FIG. 33

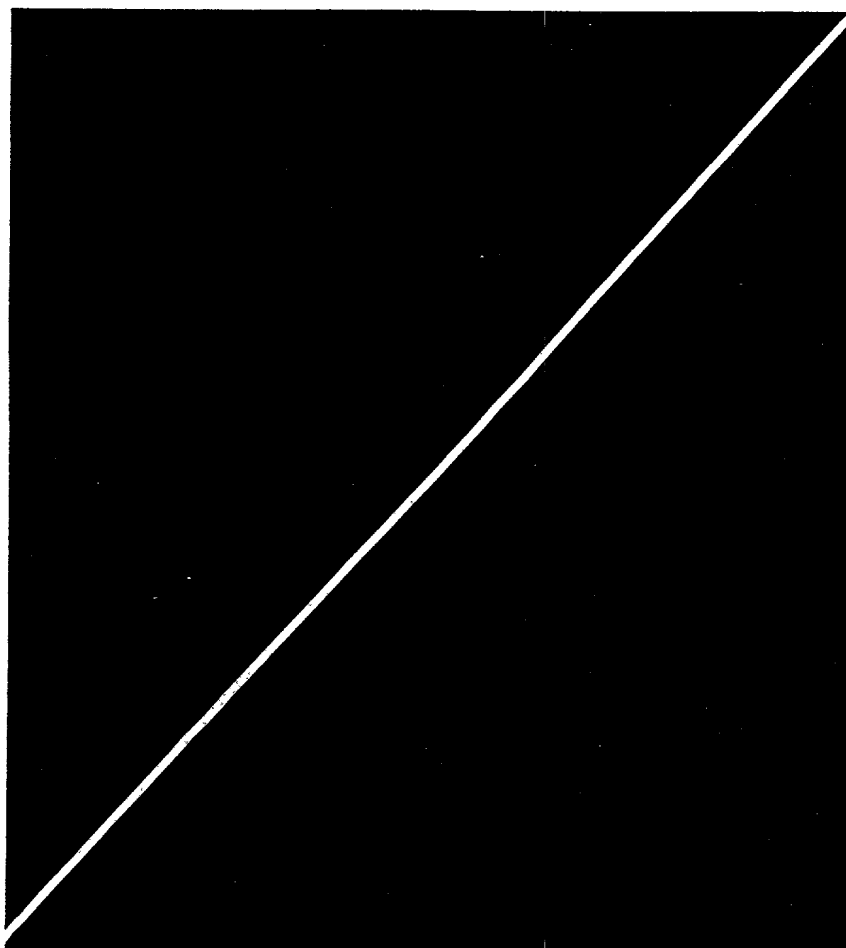


FIG. 34

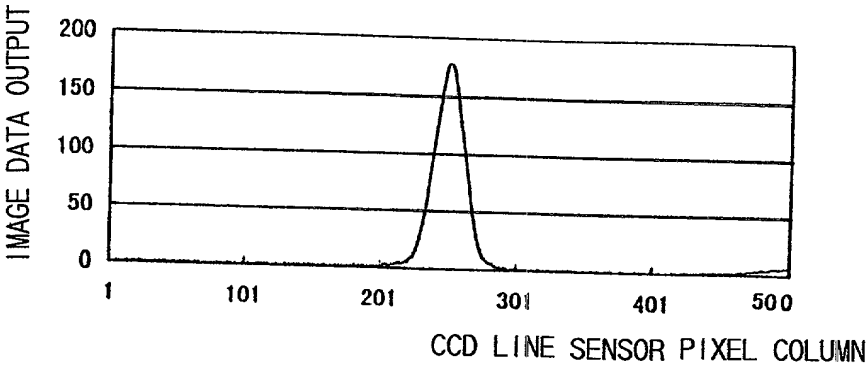


FIG. 35

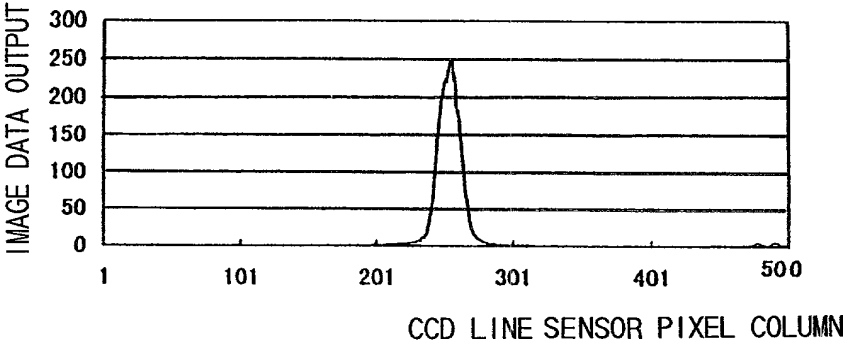


FIG. 36

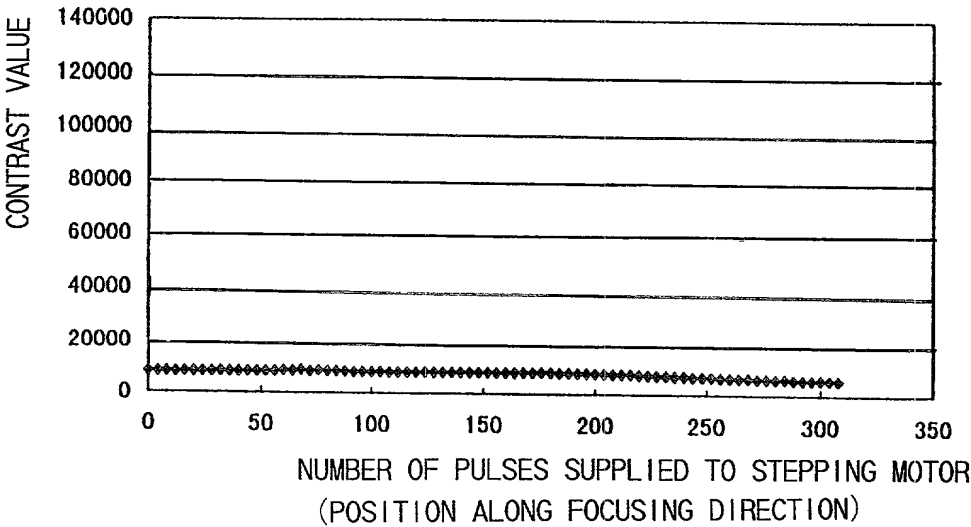
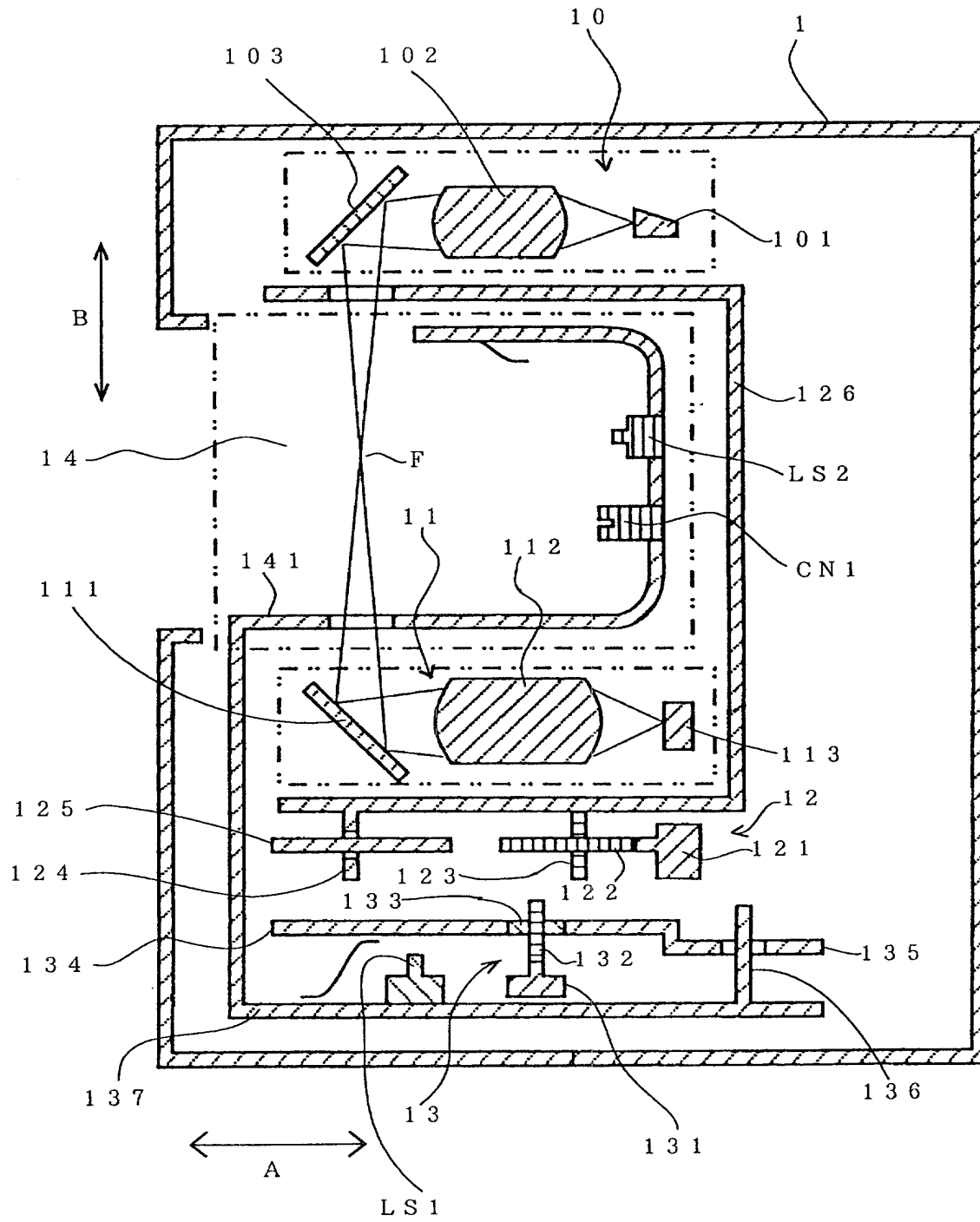


FIG. 1



Year	1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100
1970	1971	1972	1973	1974	1975	1976	1977	1978	1979	1980	1981	1982	1983	1984	1985	1986	1987	1988	1989	1990	1991	1992	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	2024	2025	2026	2027	2028	2029	2030	2031	2032	2033	2034	2035	2036	2037	2038	2039	2040	2041	2042	2043	2044	2045	2046	2047	2048	2049	2050	2051	2052	2053	2054	2055	2056	2057	2058	2059	2060	2061	2062	2063	2064	2065	2066	2067	2068	2069	2070	2071	2072	2073	2074	2075	2076	2077	2078	2079	2080	2081	2082	2083	2084	2085	2086	2087	2088	2089	2090	2091	2092	2093	2094	2095	2096	2097	2098	2099	2100	

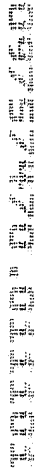


FIG. 4

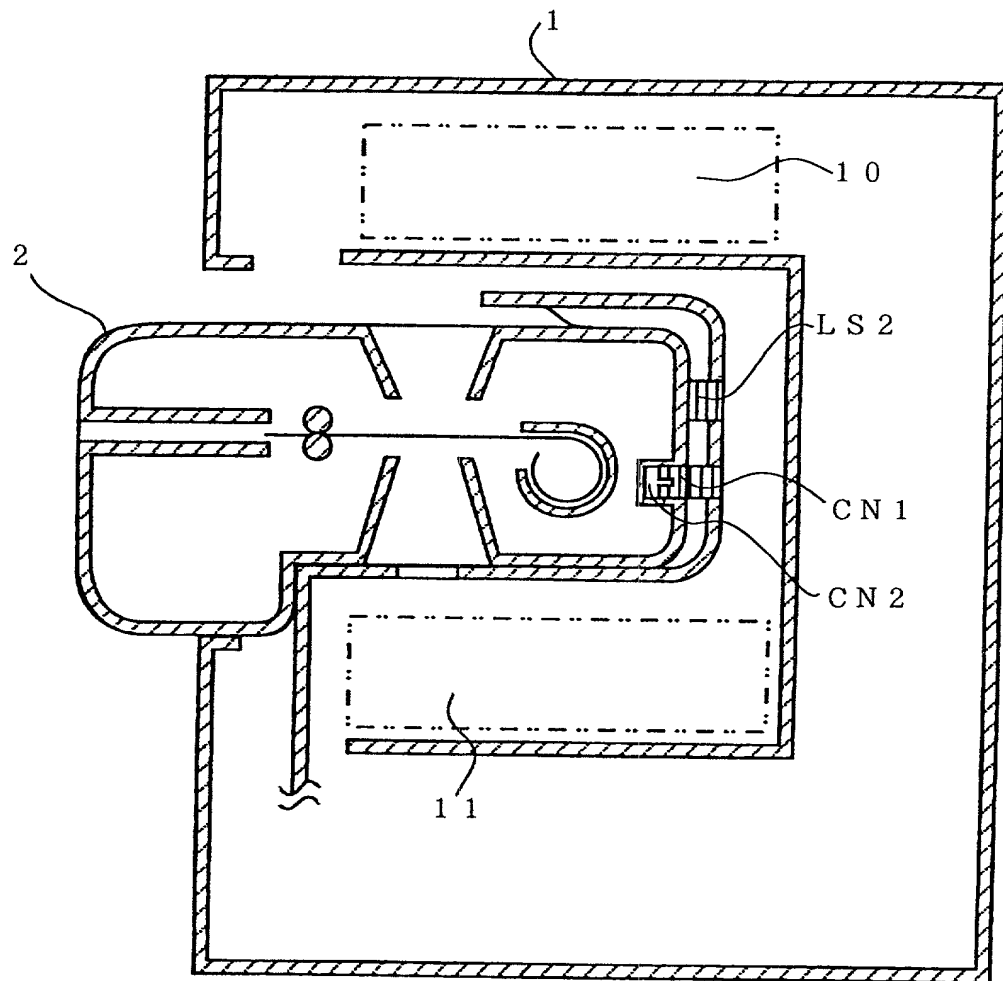


FIG. 5

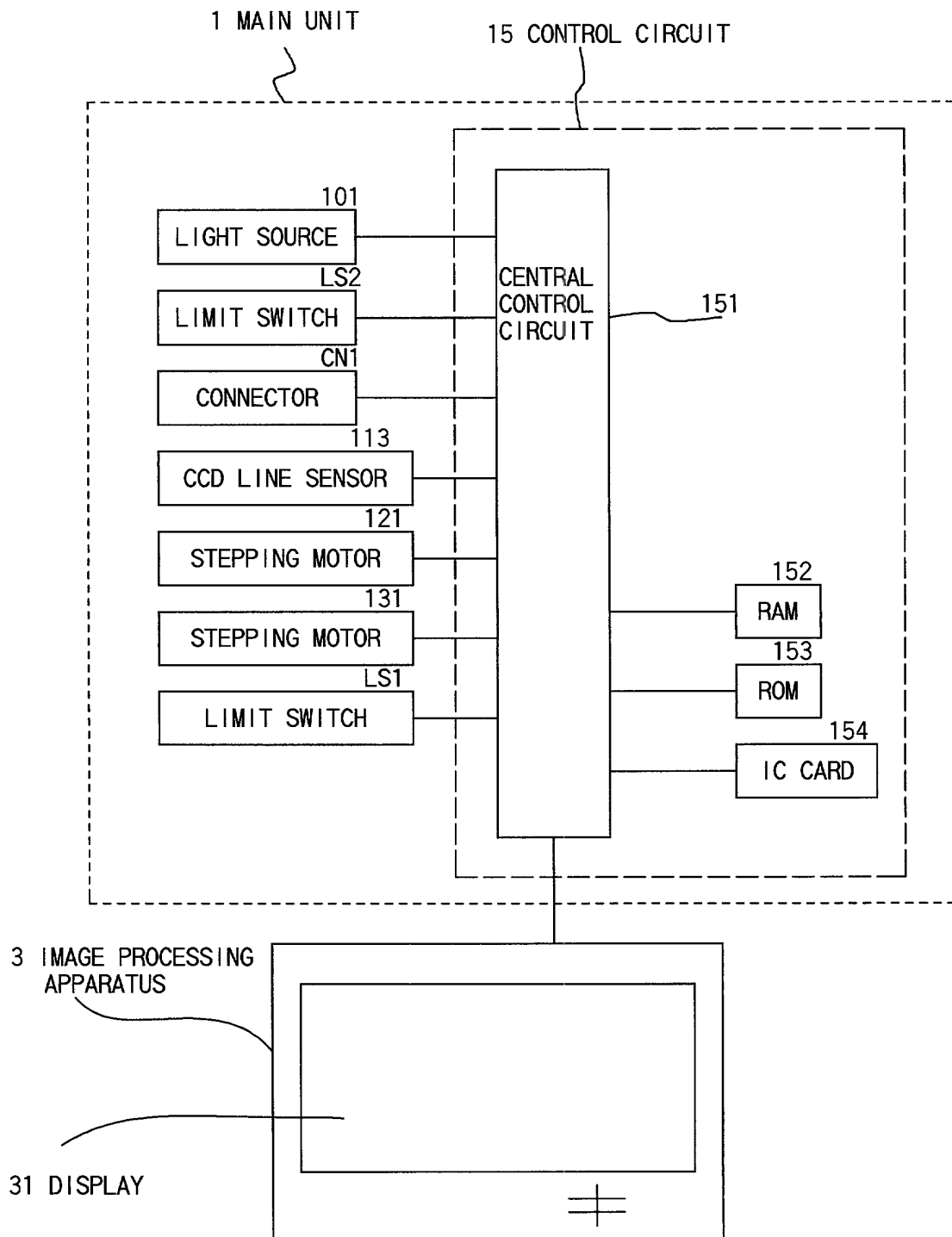


FIG. 6A

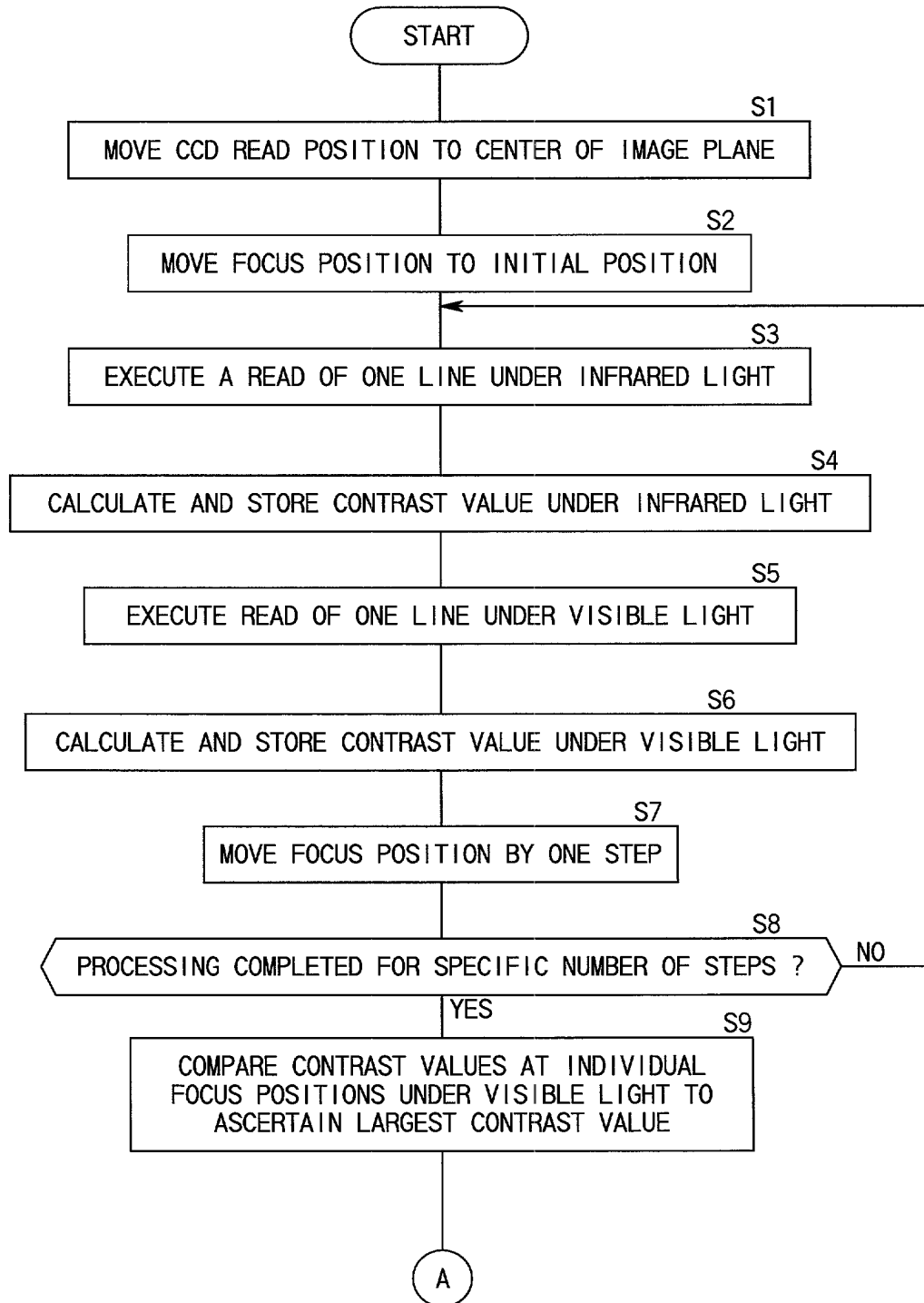


FIG. 6B

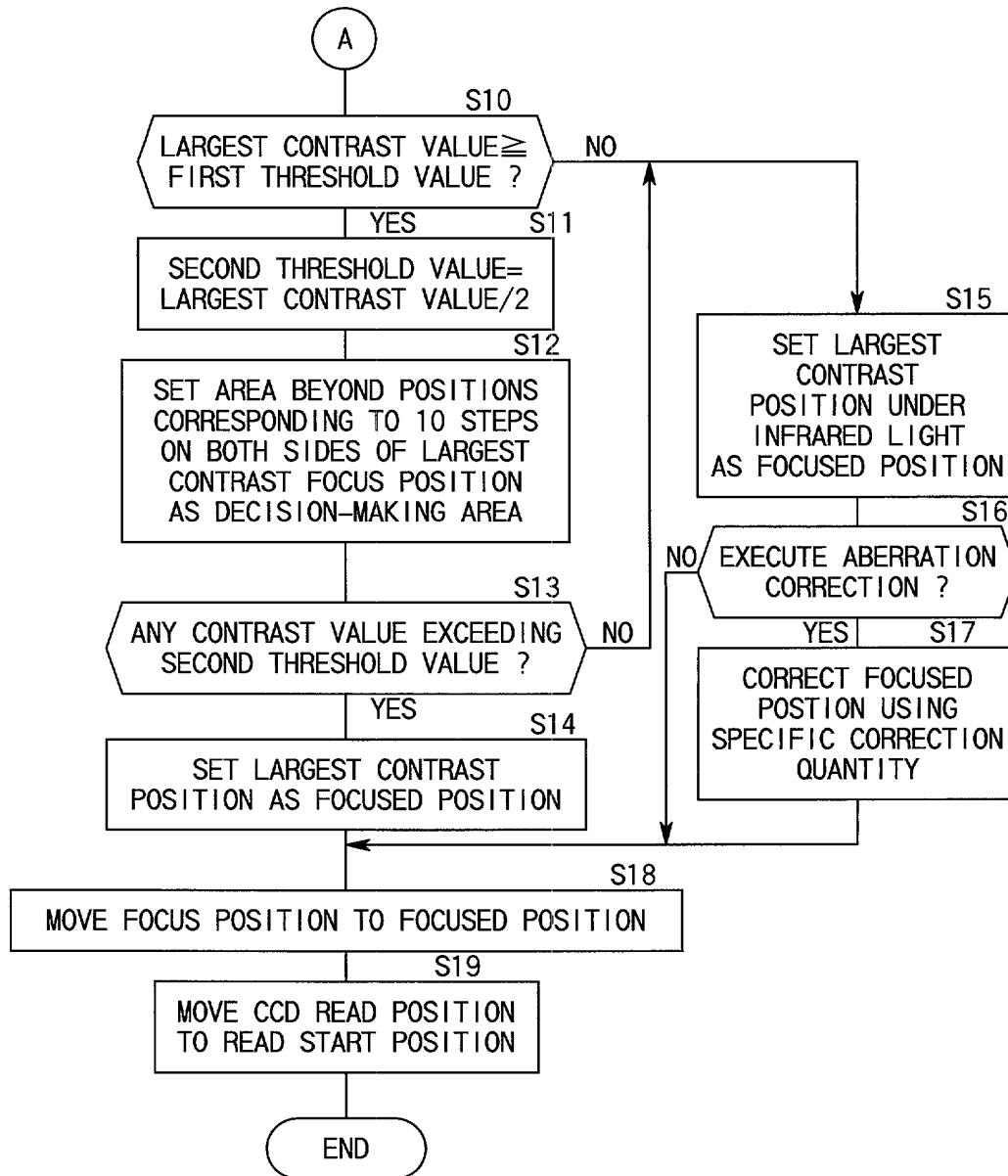


FIG. 7

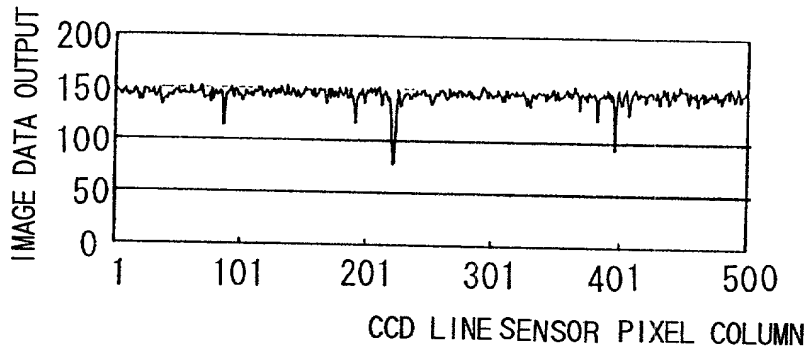


FIG. 8

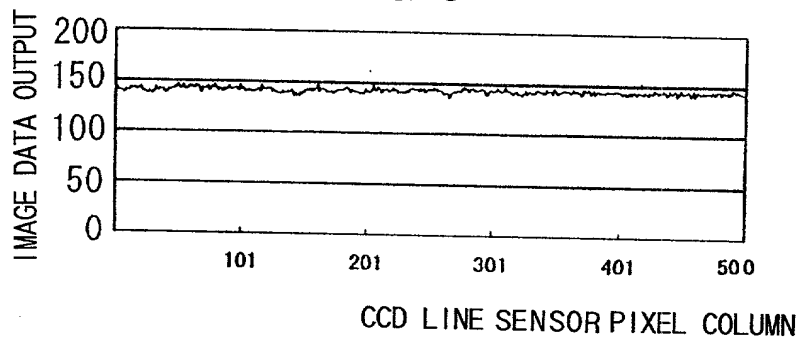


FIG. 9

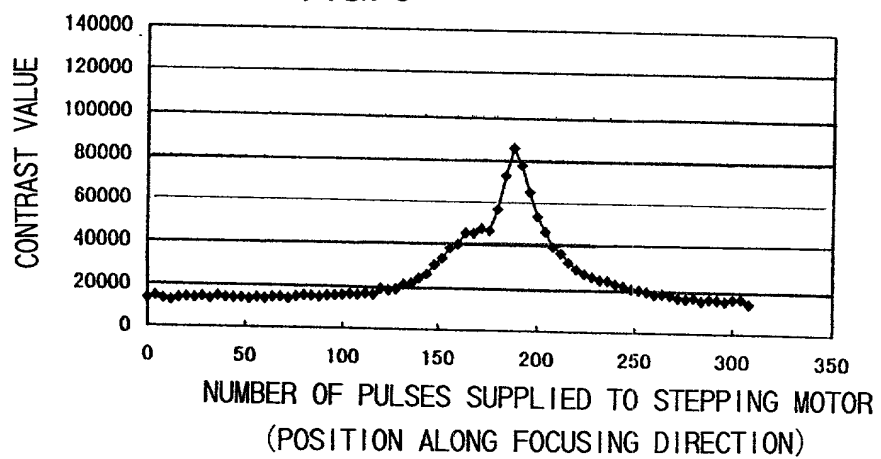


FIG. 10

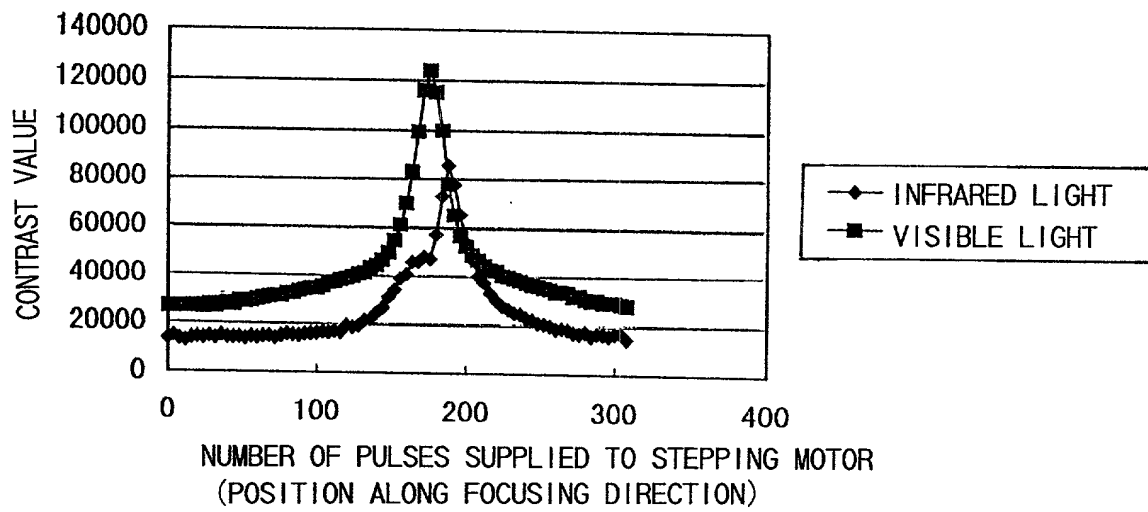


FIG. 11

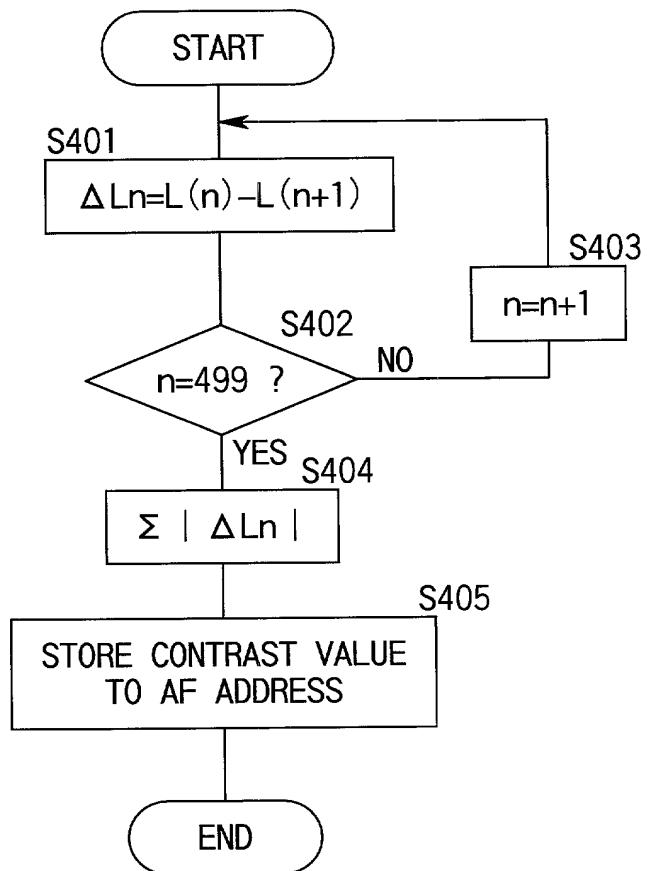


FIG. 12A

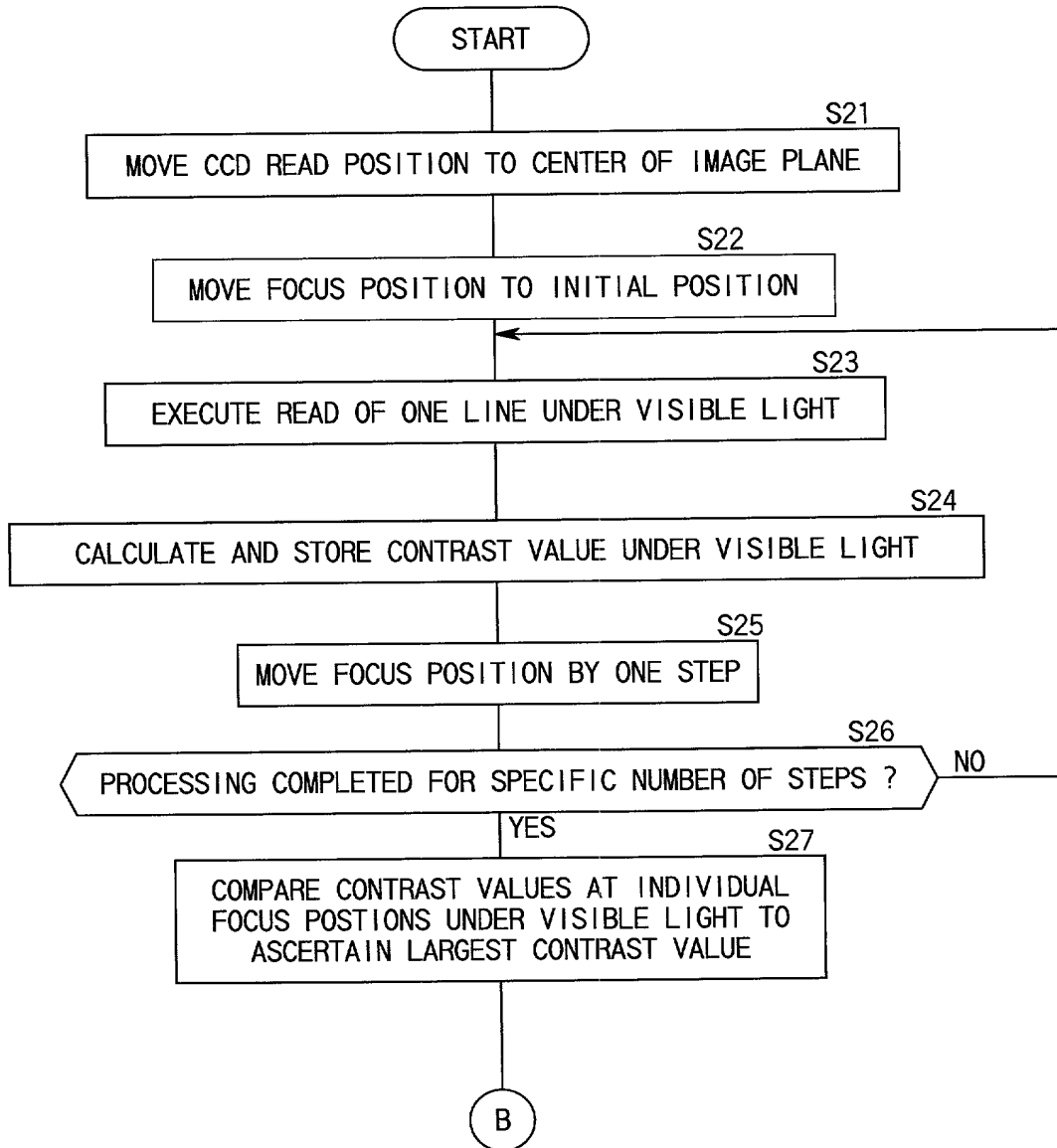


FIG. 12B

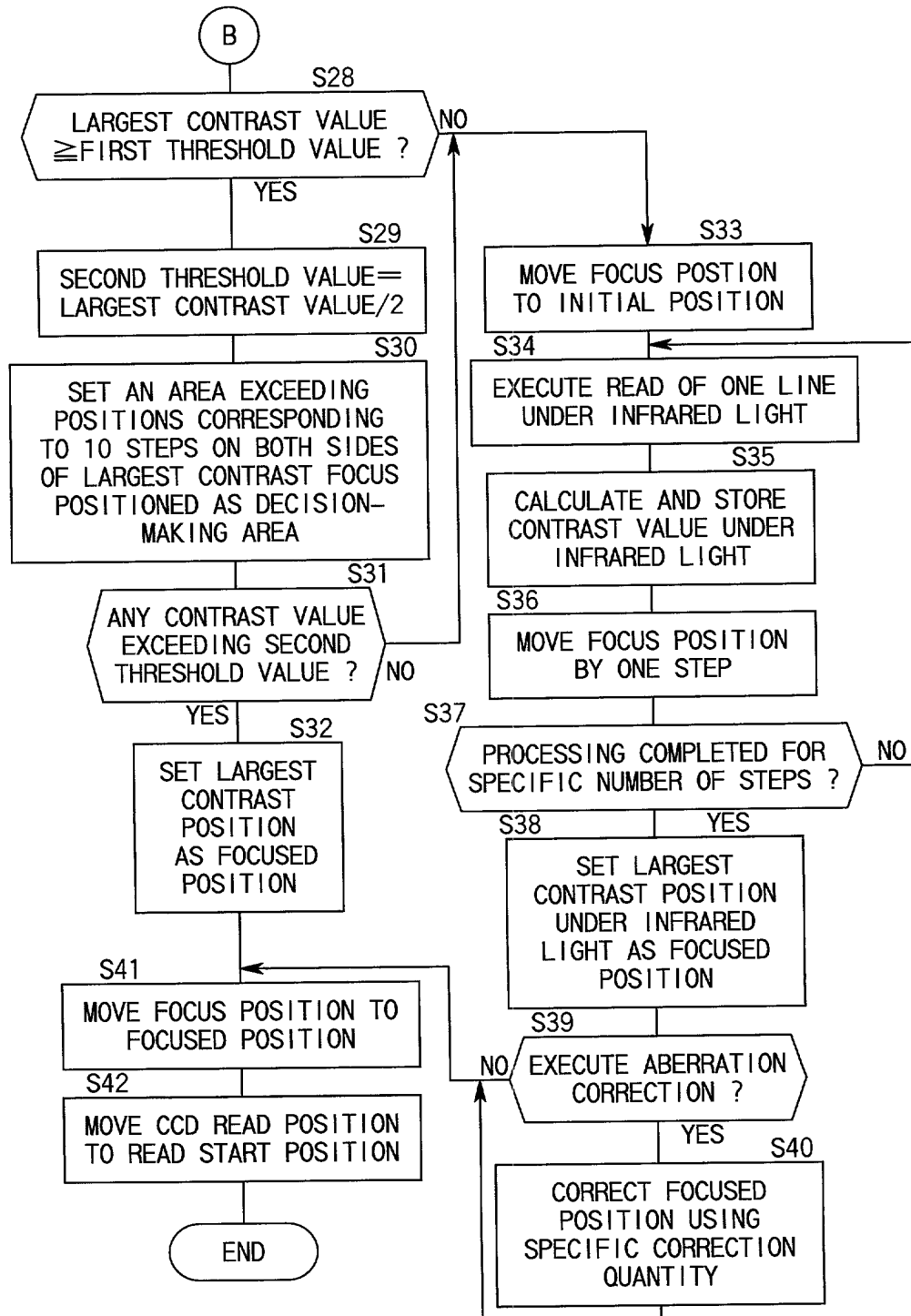


FIG. 13

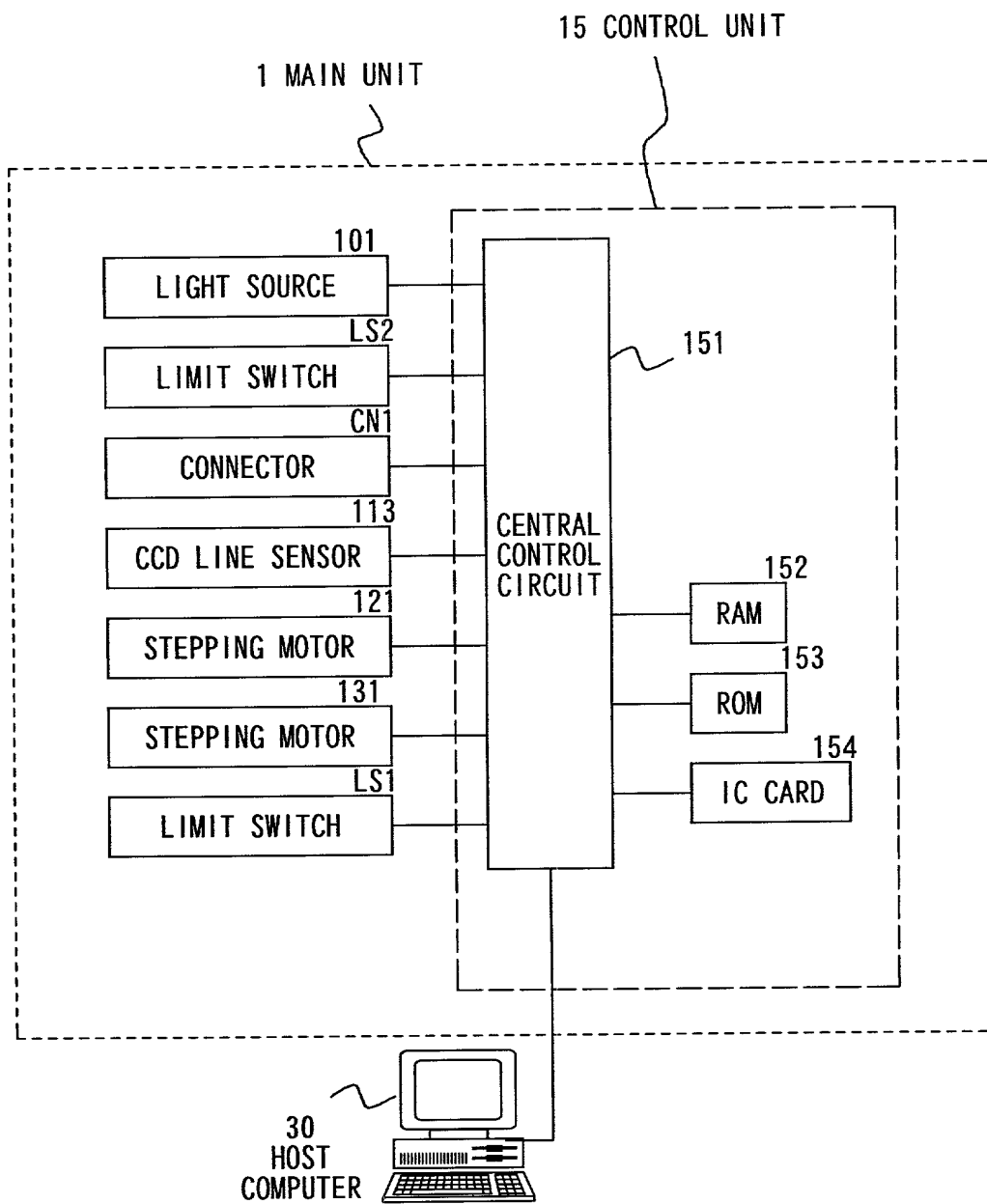


FIG. 14

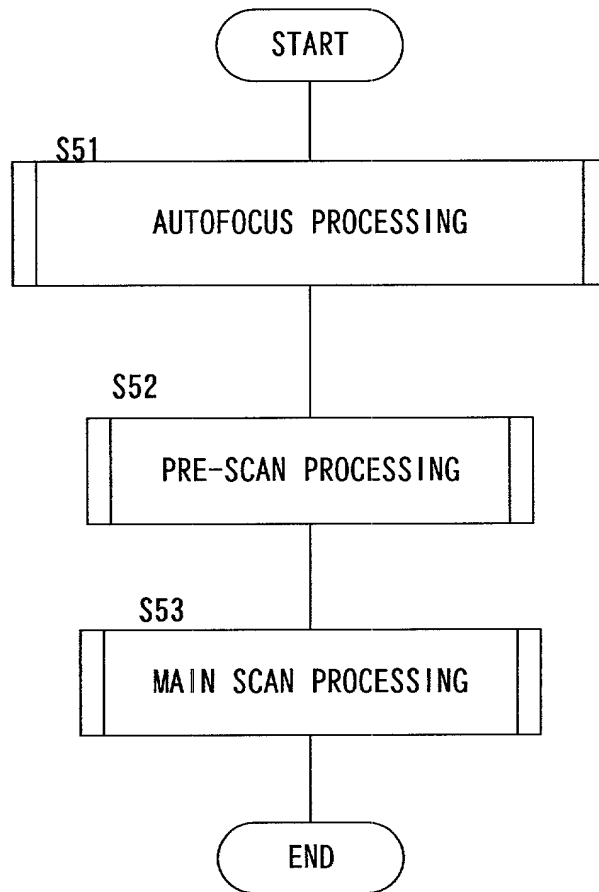
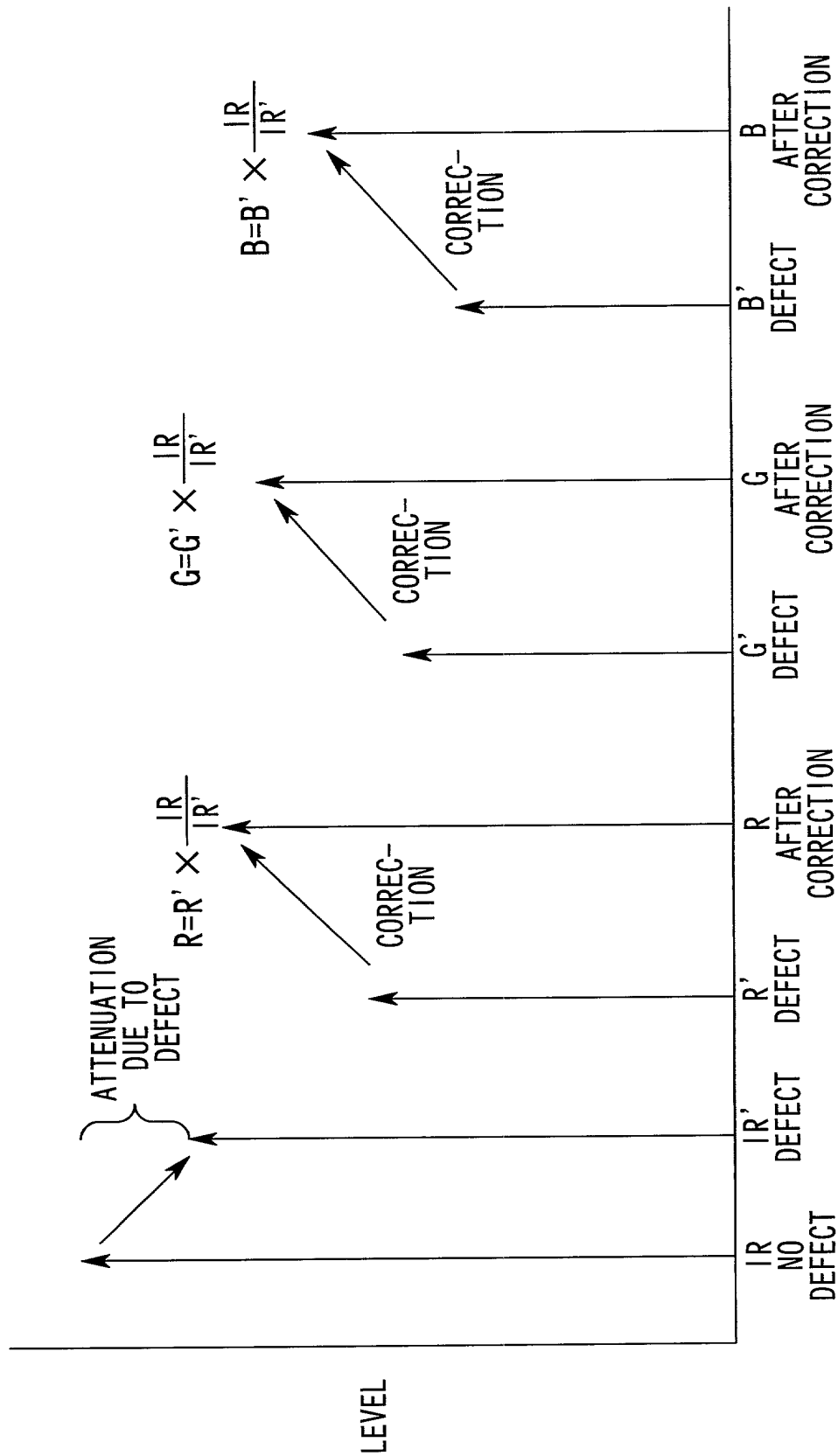


FIG. 15



IR--INFRARED LIGHT, R--RED COLOR LIGHT, G--GREEN COLOR LIGHT, B--BLUE COLOR LIGHT

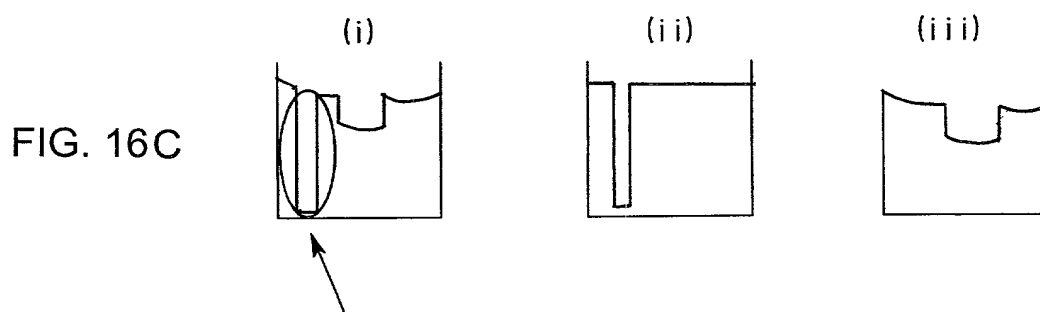
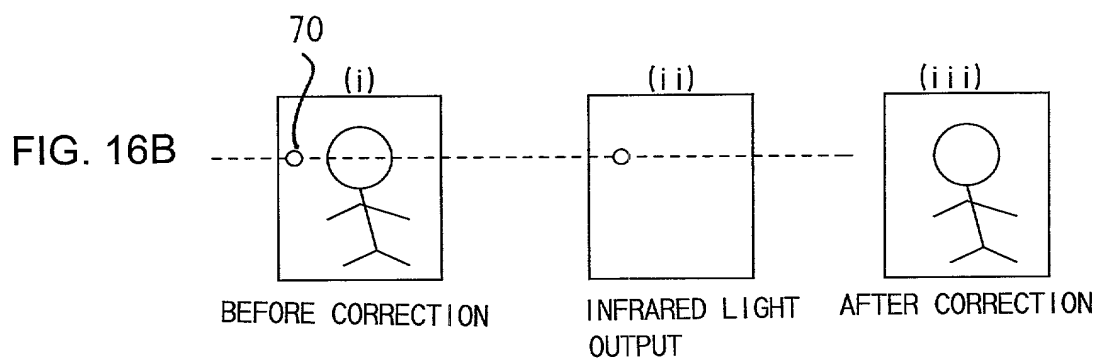
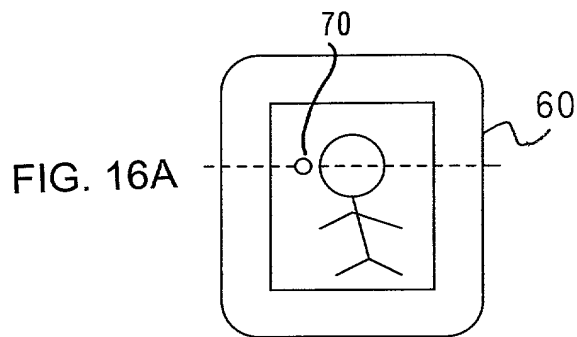


FIG. 17

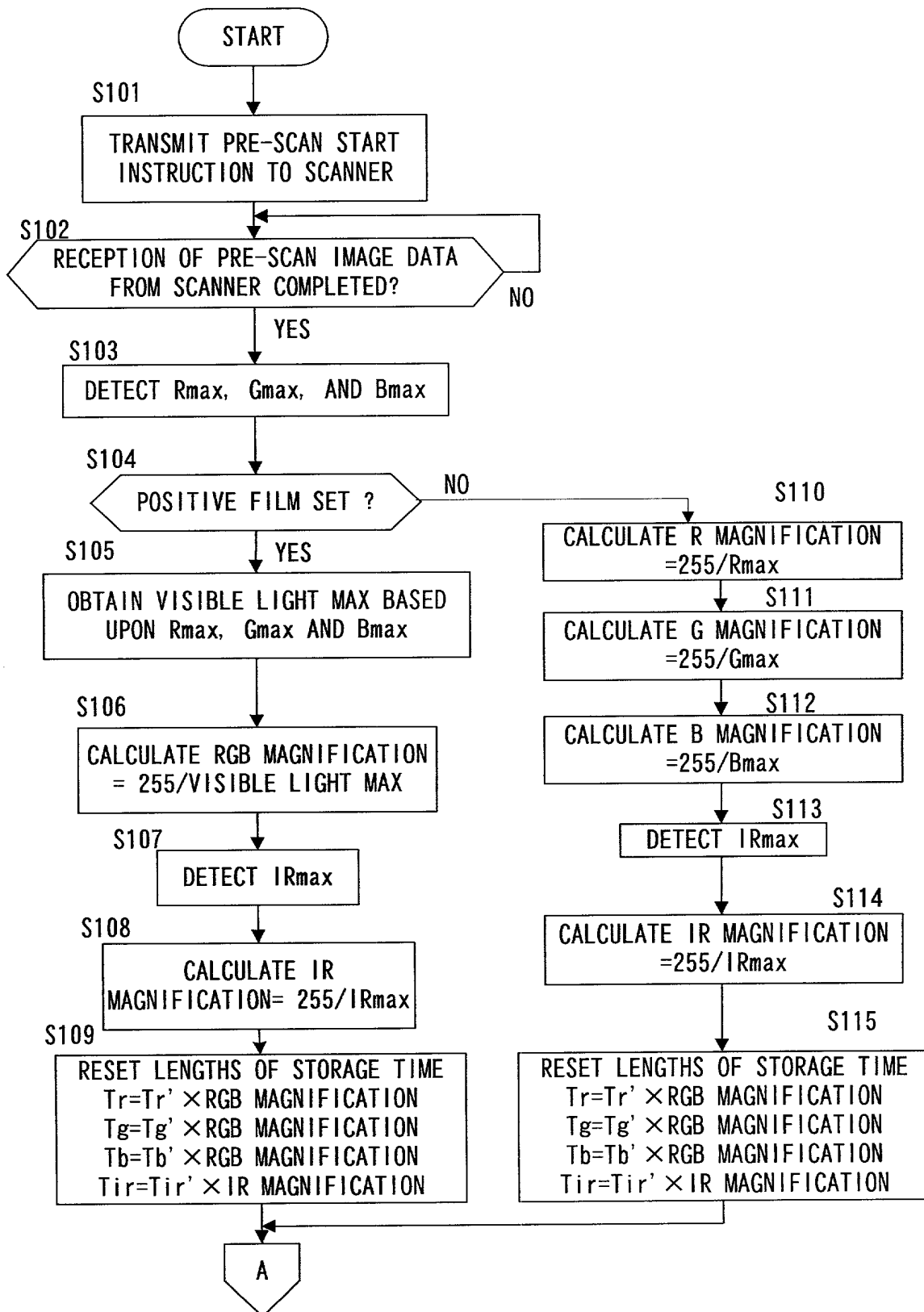


FIG.18

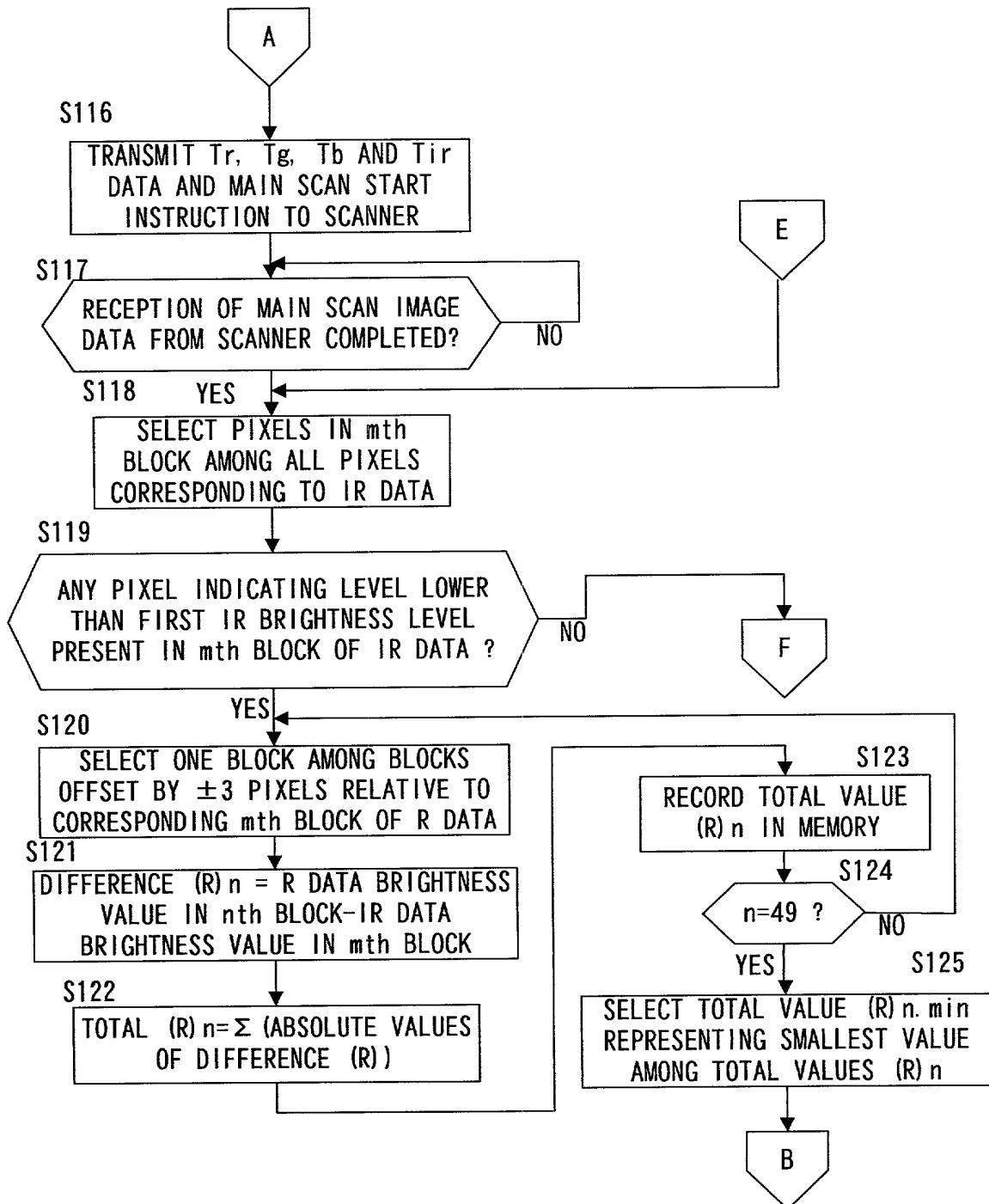


FIG. 19

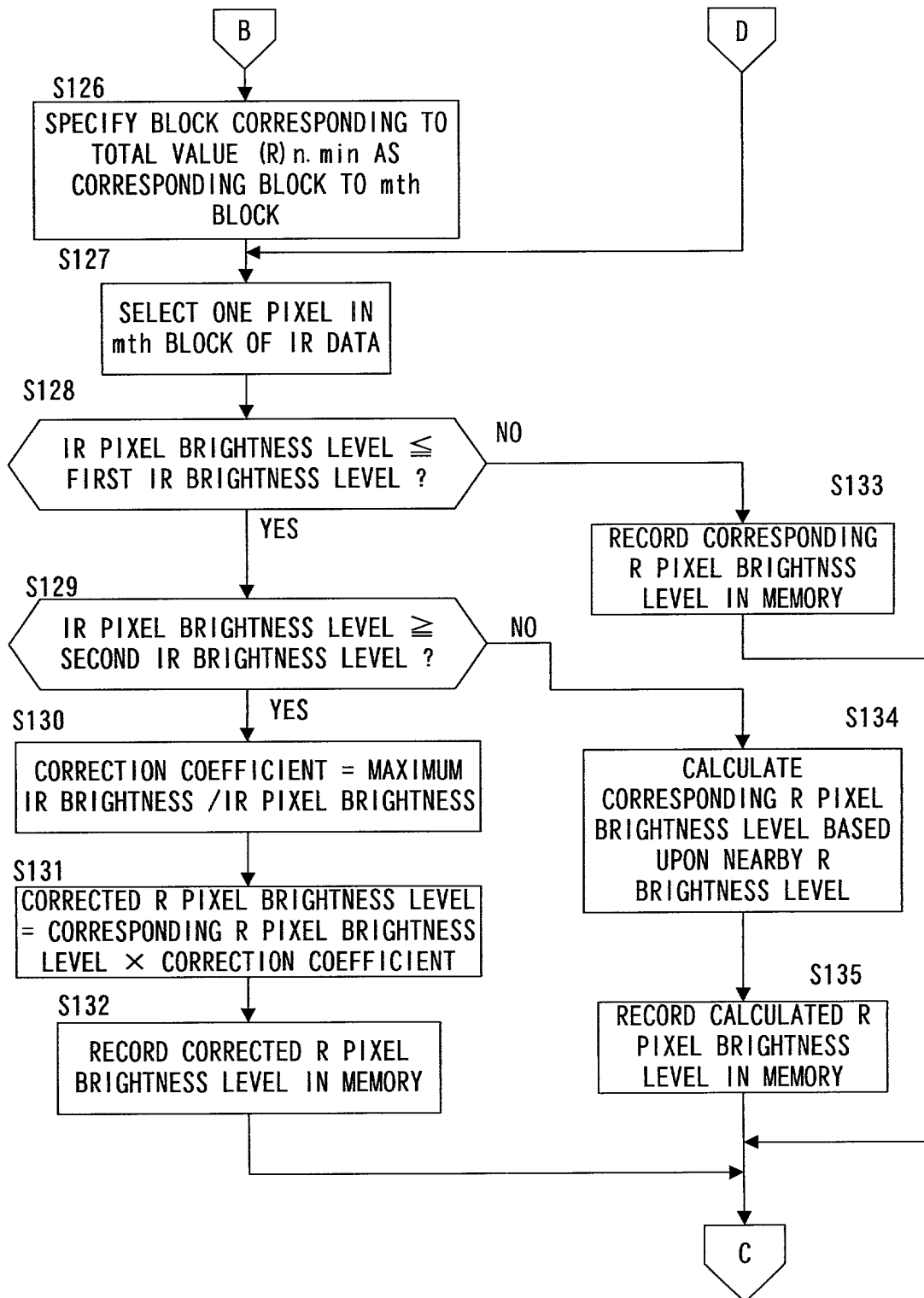


FIG.20

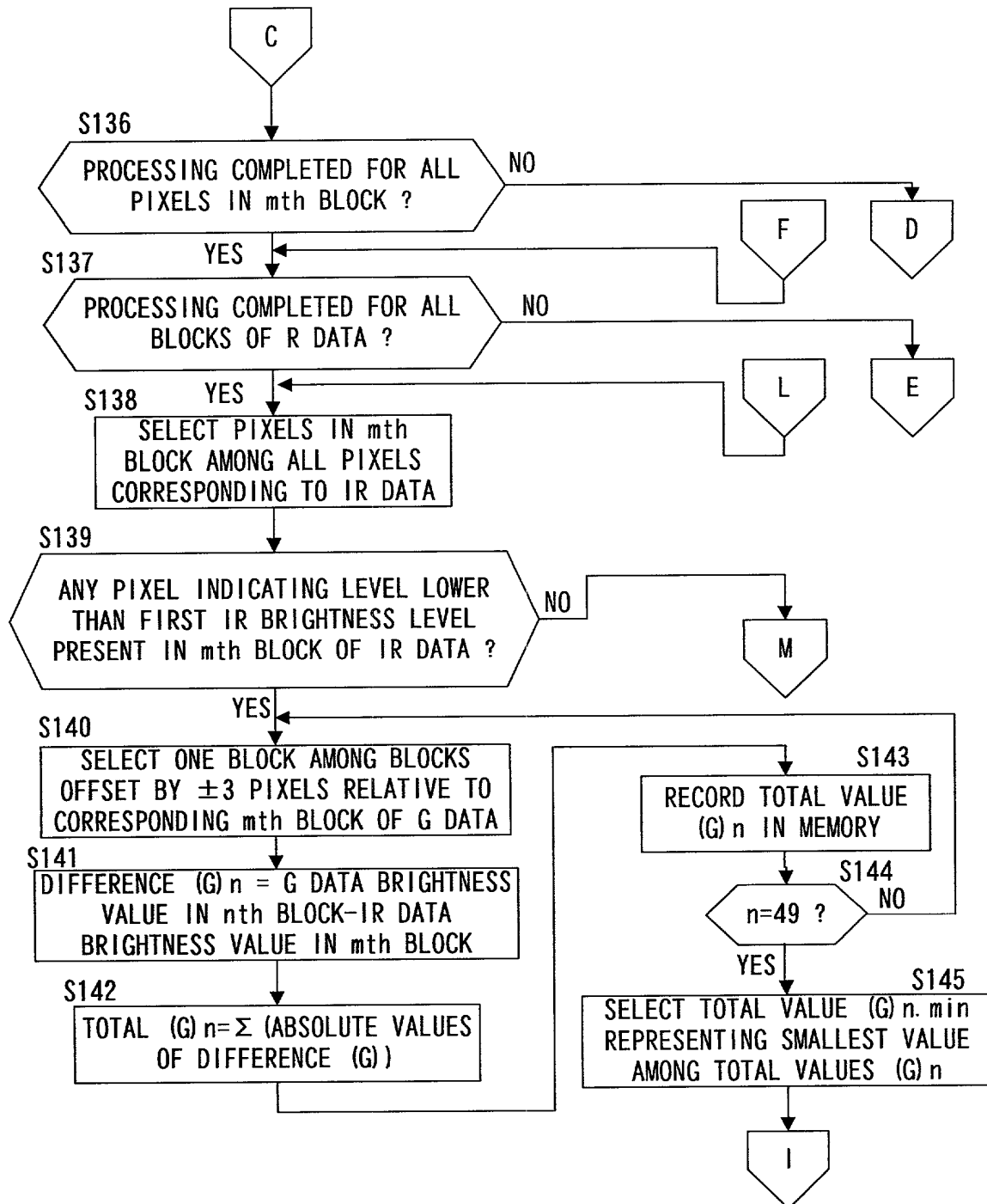


FIG. 21

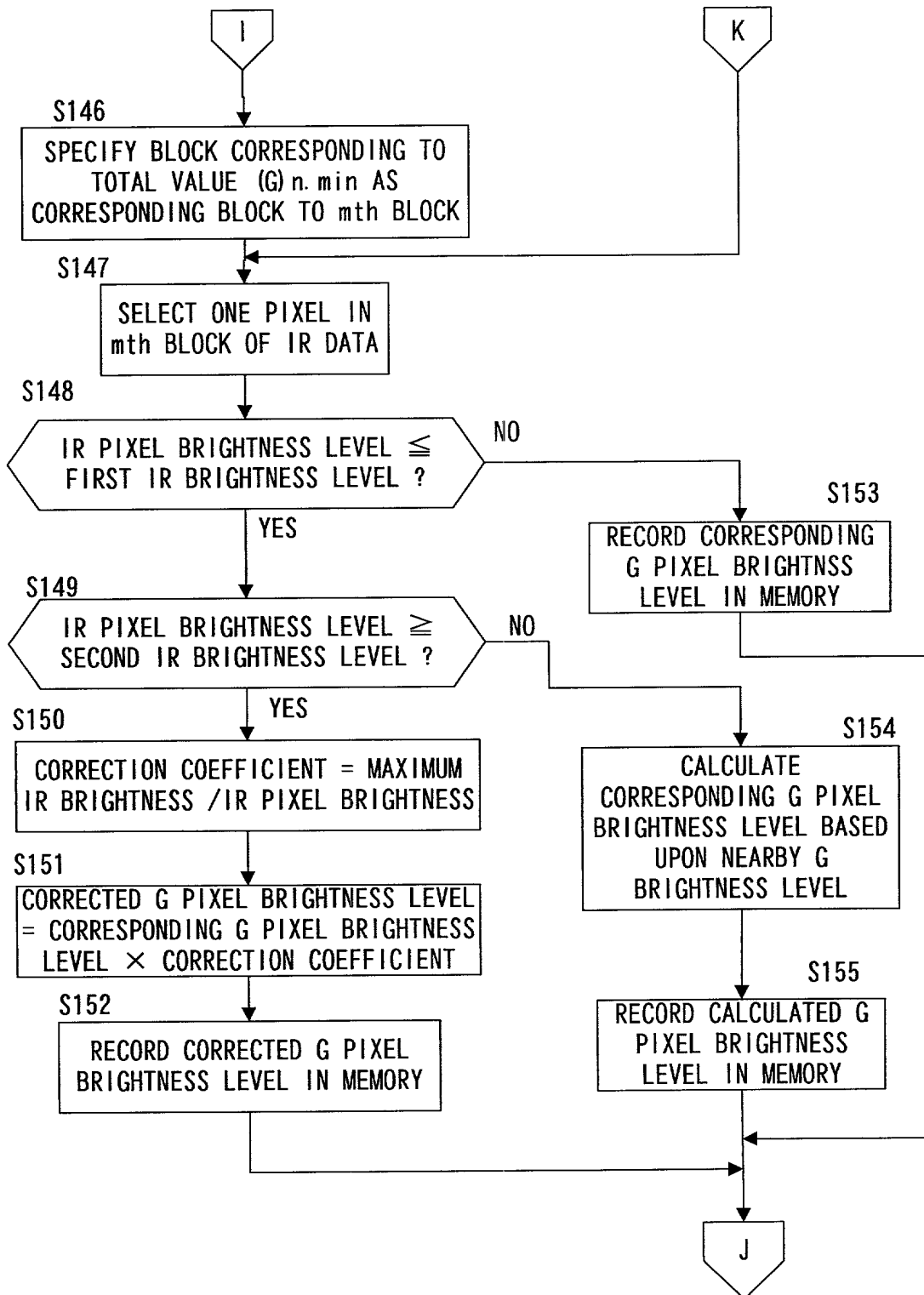


FIG.22

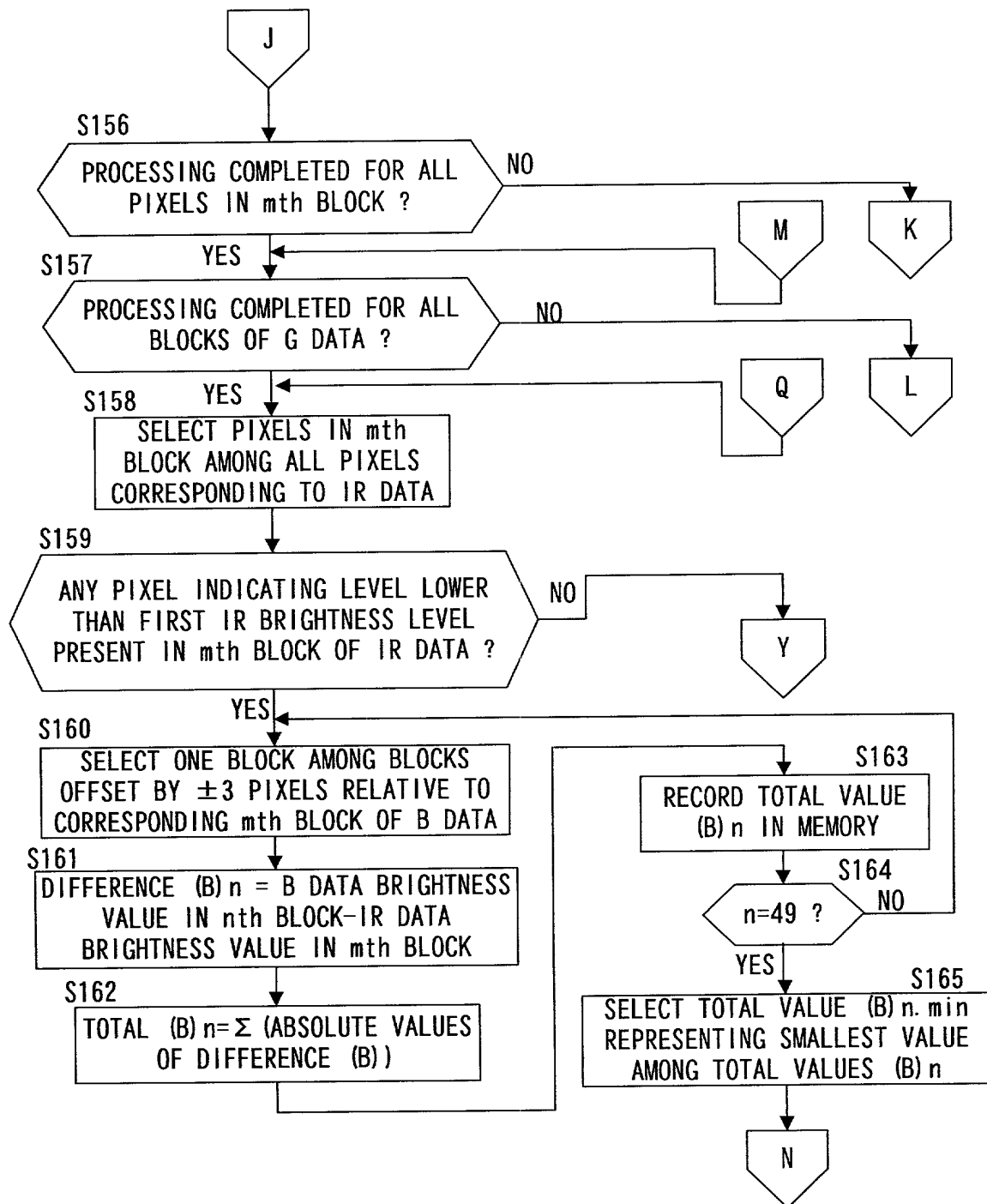


FIG. 23

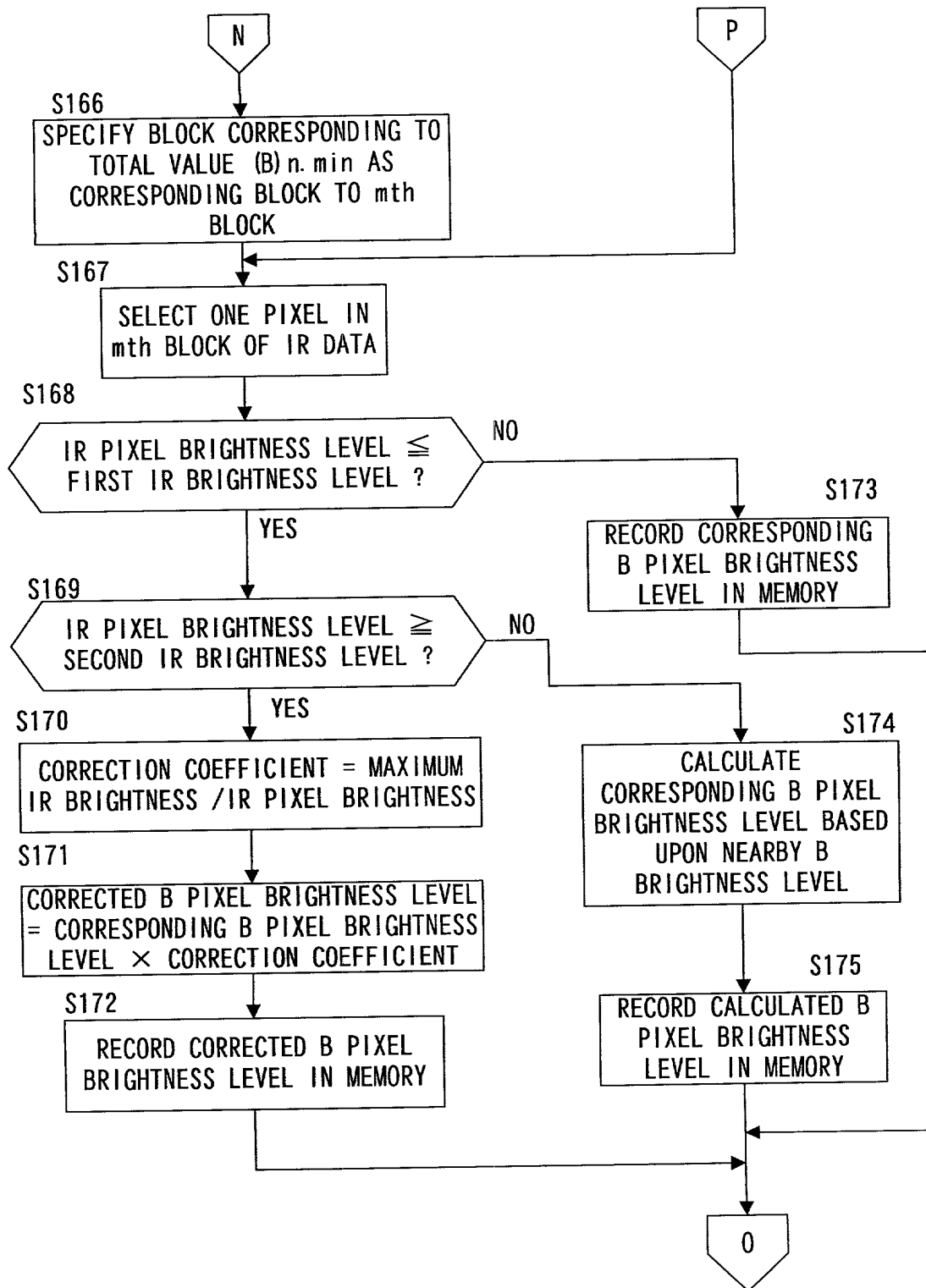


FIG.24

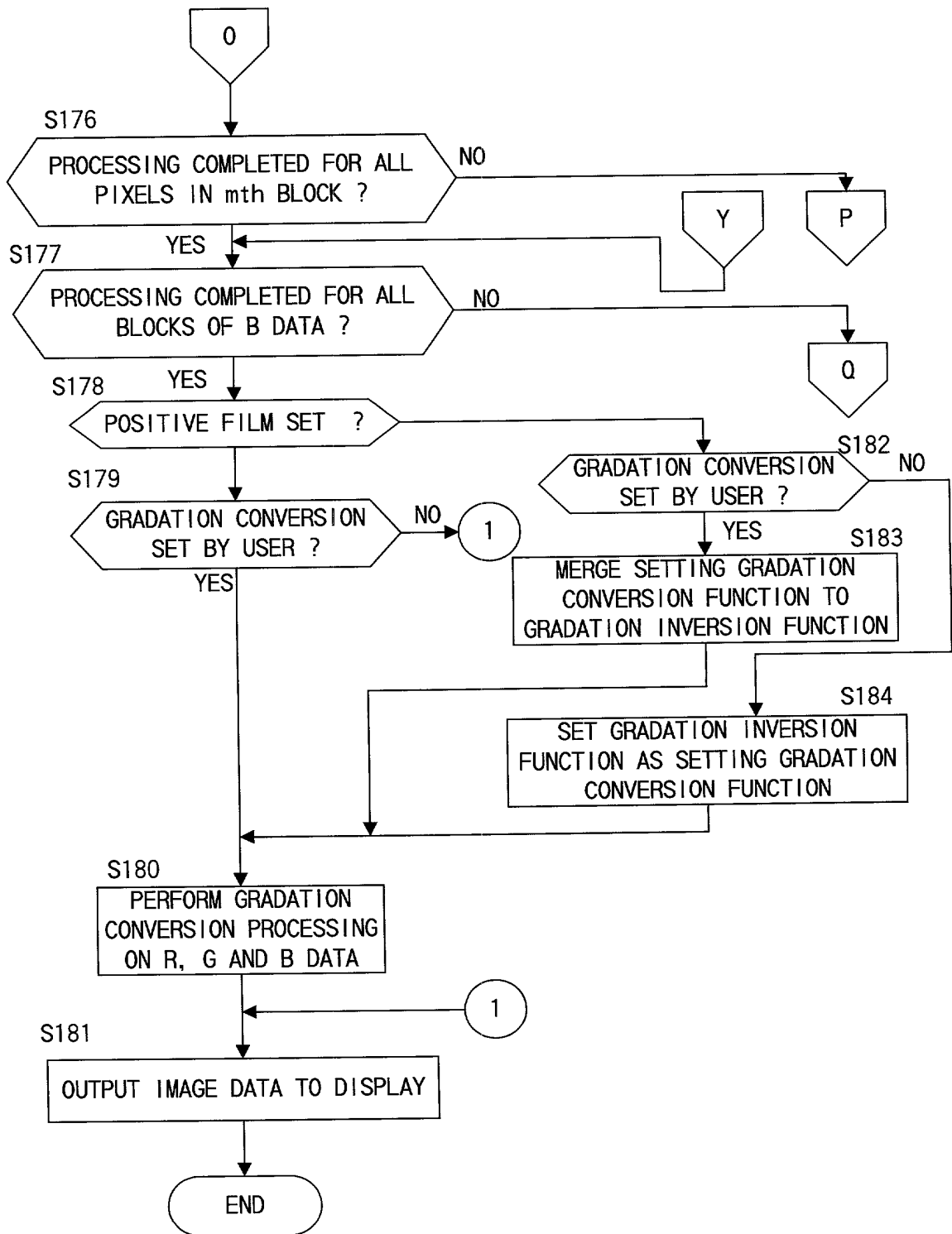


FIG. 25A

IR LEVEL (DEFECT PRESENT)

255	255	120
120	50	120
255	255	255

FIG. 25B

VISIBLE LEVEL (DEFECT PRESENT)

200	200	200	200	200	200
200	200	200	200	200	200
200	200	200	94	200	200
200	94	20	47	100	100
200	200	100	100	100	100
200	200	100	100	200	200

FIG. 25C

VISIBLE LEVEL (NO DEFECT)

200	200	200	200	200	200
200	200	200	200	200	200
200	200	200	200	200	200
200	200	100	100	100	100
200	200	100	100	100	100
200	200	100	100	200	200

FIG. 26A1

200	200	200	200	200	200	ABSOLUTE VALUE TOTAL
-55	-55	80	200	200	200	190
80	150	80	94	200	200	310
-55	-161	-235	47	100	100	451
200	200	100	100	100	100	TOTAL 951
200	200	100	100	200	200	

FIG. 26A2

200	200	200	200	200	200	ABSOLUTE VALUE TOTAL
200	-55	-55	80	200	200	190
200	80	150	-26	200	200	256
200	-161	-235	-208	100	100	604
200	200	100	100	100	100	TOTAL 1050
200	200	100	100	200	200	

FIG. 26A3

200	200	200	200	200	200	ABSOLUTE VALUE TOTAL
200	200	-55	-55	80	200	190
200	200	80	44	80	200	204
200	94	-235	-208	-55	100	598
200	200	100	100	100	100	TOTAL 992
200	200	100	100	200	200	

FIG. 27B1

200	200	200	200	200	200
200	200	200	200	200	200
-55	-55	80	200	200	200
80	44	-100	47	100	100
-55	-55	-155	100	100	100
200	200	100	100	200	200
ABSOLUTE VALUE TOTAL					
190					
224					
265					
TOTAL 679					

FIG. 27B2

200	200	200	200	200	200
200	200	200	200	200	200
200	-55	-55	-26	200	200
200	-26	-30	-73	100	100
200	-55	-155	-155	100	100
200	200	100	100	200	200
ABSOLUTE VALUE TOTAL					
136					
129					
365					
TOTAL 630					

FIG. 27B3

200	200	200	200	200	200
200	200	200	200	200	200
200	200	-55	-161	80	200
200	94	-100	3	-20	100
200	200	-155	-155	-155	100
200	200	100	100	200	200
ABSOLUTE VALUE TOTAL					
296					
123					
465					
TOTAL 884					

FIG. 28C1

200	200	200	200	200	200	
200	200	200	200	200	200	ABSOLUTE VALUE TOTAL
200	200	200	94	200	200	316
-55	-161	-100	47	100	100	250
80	150	-20	100	100	100	265
-55	-55	-155	100	200	200	TOTAL 831

FIG. 28C2

200	200	200	200	200	200	
200	200	200	200	200	200	ABSOLUTE VALUE TOTAL
200	200	200	94	200	200	469
200	-161	-235	73	100	100	150
200	80	50	-20	100	100	365
200	-55	-155	-155	200	200	TOTAL 984

FIG. 28C3

200	200	200	200	200	200	
200	200	200	200	200	200	ABSOLUTE VALUE TOTAL
200	200	200	94	200	200	463
200	94	-235	-208	-20	100	90
200	200	-20	50	-20	100	365
200	200	-155	-155	-55	200	TOTAL 918

FIG. 29

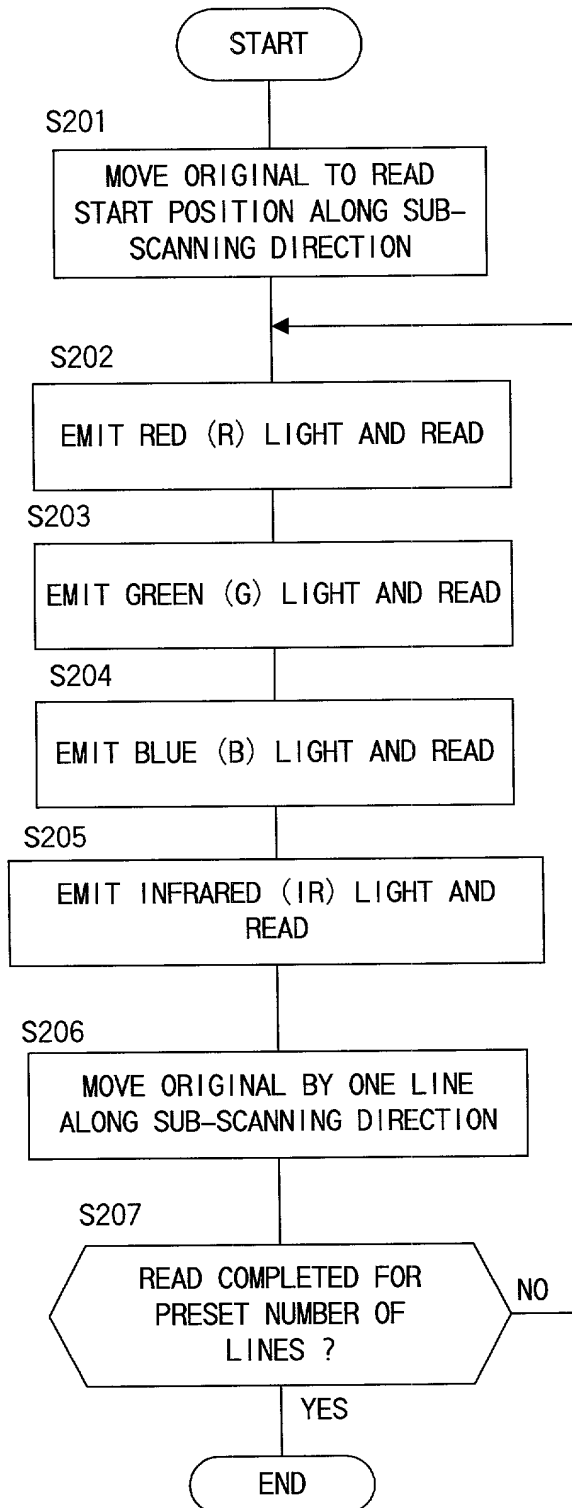


FIG. 30

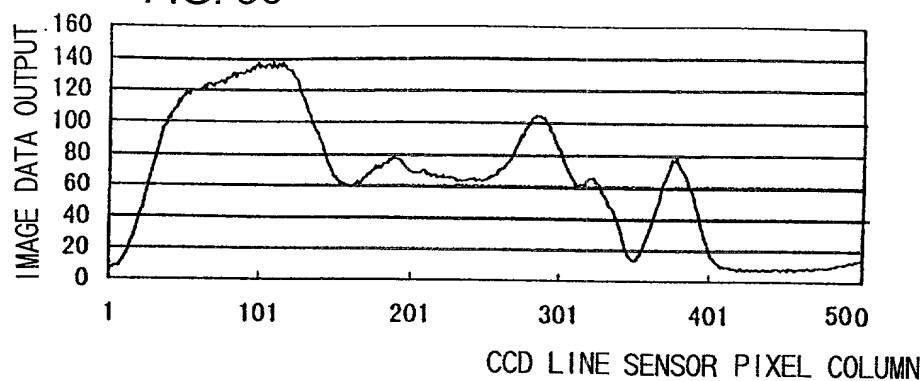


FIG. 31

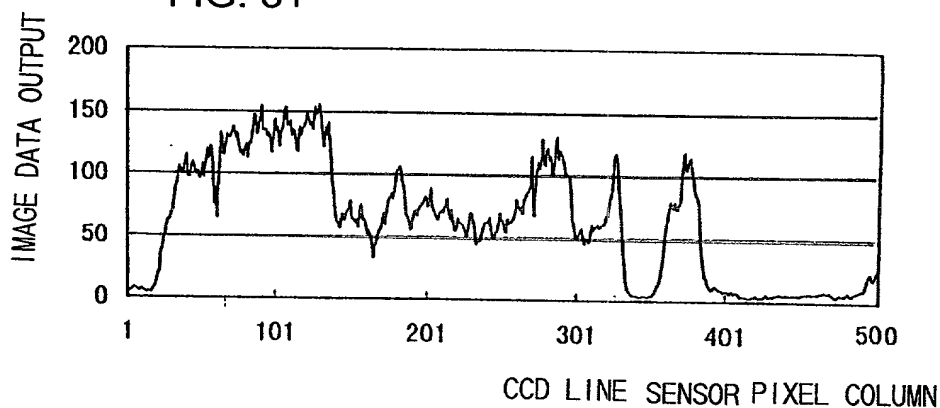


FIG. 32

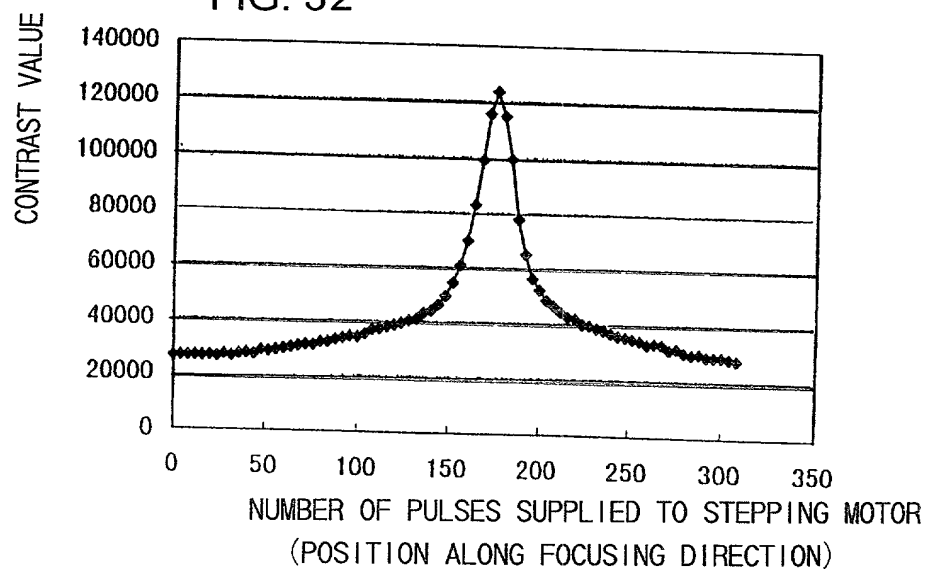


FIG. 33

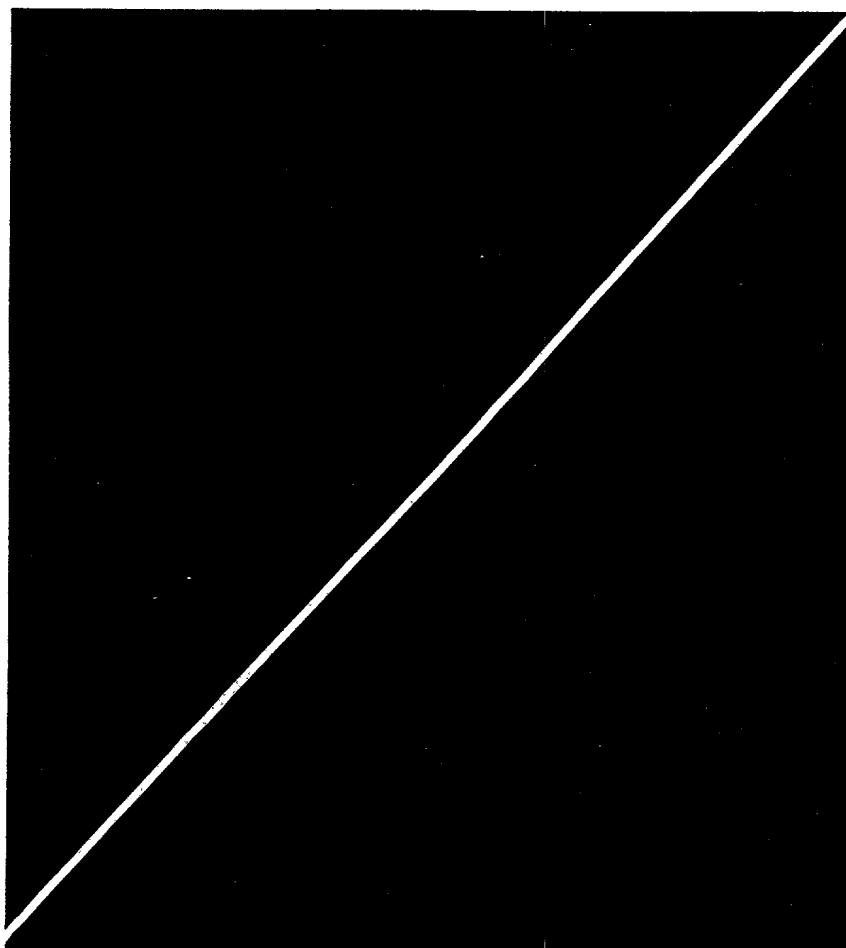


FIG. 34

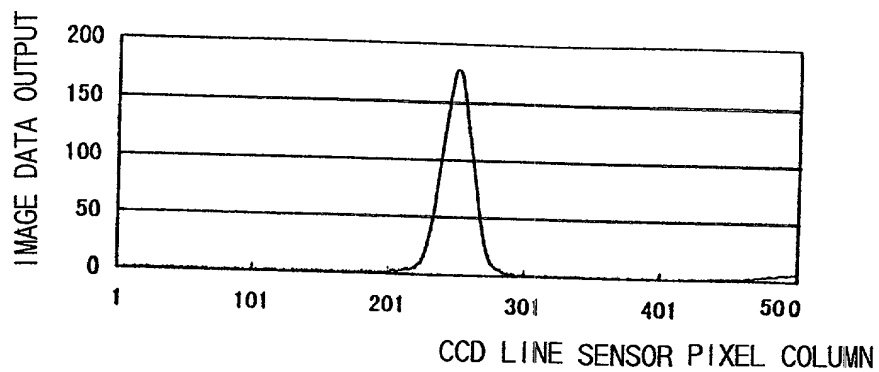


FIG. 35

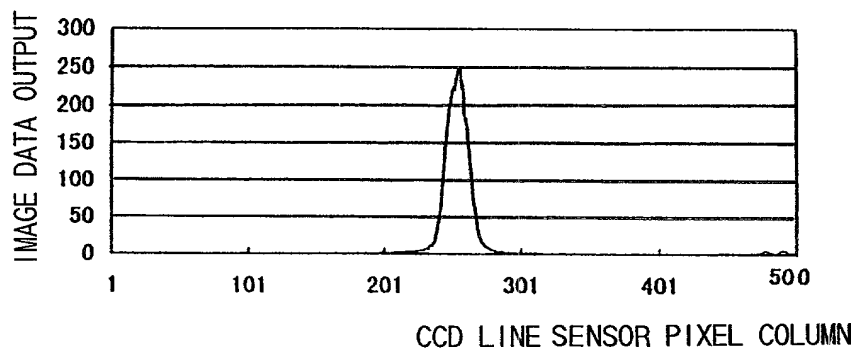


FIG. 36

